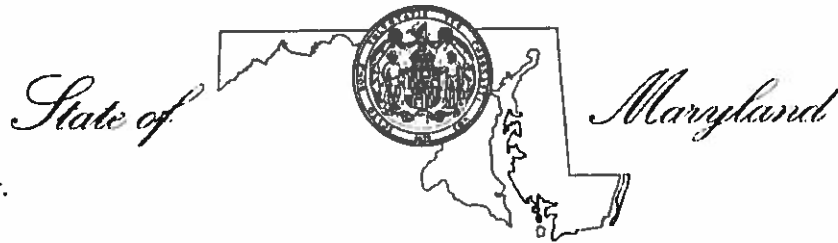


KEEP PERMIT AT SITE

CONTROL NO. B- 05197



Lawrence J. Hogan, Jr.  
Governor

Ben Grumbles  
Secretary

Boyd K. Rutherford  
Lieutenant Governor

DEPARTMENT OF THE ENVIRONMENT

Air and Radiation Management Administration  
1800 Washington Boulevard, Suite 720  
Baltimore, MD 21230

Construction Permit

Part 70  
 Operating Permit

PERMIT NO. 24-031-01124

DATE ISSUED August 1, 2016

PERMIT FEE To be paid in accordance with  
COMAR 26.11.02.19B

EXPIRATION DATE June 30, 2021

LEGAL OWNER & ADDRESS  
 Naval Support Activity Bethesda  
 Installation Environmental Program  
 Public Works Office  
 4655 Taylor Road, Building No. 27  
 Bethesda, MD 20889  
 Attn: Mrs. Susan Paul, Director

SITE  
 Same  
 Montgomery County  
 AI#29

SOURCE DESCRIPTION

Naval Support Facility.

This source is subject to the conditions described on the attached pages.

Page 1 of 86

*[Signature]*  
 Program Manager

*[Signature]*  
 Director, Air and Radiation Management Administration

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

**Background**

Naval Support Activity Bethesda (NSAB) formerly National Naval Medical Center (NNMC) is located in Montgomery County, Maryland, approximately 10 miles north of downtown Washington, D.C. This change of ownership stemmed from the reorganization and reallocation of naval resources. Consequently, all assets and resources of the NNMC have been transferred to NSAB. The primary SIC Code for NSAB and all tenant Commands aboard the Bethesda complex is 8062, General Medical/Surgical Hospitals. Other applicable SICs include 9711, National Defense; 8071, Medical Laboratories; and 8072, Dental Laboratories.

The installations at the facility are comprised of four Cleaver Brooks industrial boilers Model DL-68-E (each rated at 67 MMBtu/hr. heat input, equipped with low NOx burners and flue gas recirculation, and permitted to burn natural gas and No. 2 fuel oil.), located in Building # 16; one Cleaver Brooks water tube boiler Model DL-68-E rated at 71 MMBtu/hr. equipped with low NOx burners and flue gas recirculation, and permitted to burn natural gas and No. 2 fuel oil, also located in building # 16; one Aerco INN 1060 natural gas-fired water heater rated at 1.06 MMBtu/hr. heat input, permitted under the General Permit Program and located in Building # 52.

There are also the following additional installations at the facility: twenty seven (27) emergency generators of varying sizes ranging from 400 kW to 3000 kW, which are owned by the NSA Bethesda, but operated by the Navy PWC; one 10,000 gallon gasoline underground storage tank located at the government gas station, which is owned and operated by NSA Bethesda; and two 20,000 gallon gasoline underground storage tanks located at the Navy Exchange (NEX) gas station, which are owned by the NSA Bethesda; but operated by the NEX.

The following Table 1 summarizes the most recent five years actual emissions from NSA Bethesda. The primary sources of criteria pollutants from the facility are the boilers and generators.

**TABLE 1: ACTUAL EMISSIONS**

Year	NO <sub>x</sub> (TPY)	SO <sub>x</sub> (TPY)	PM <sub>10</sub> (TPY)	CO (TPY)	VOC (TPY)	Total HAP (TPY)
2014	11.3	12.5	0.84	23.2	4.15	<1.0
2013	14.0	5.61	0.76	26.4	4.28	<1.0
2012	17.02	1.26	0.68	24.03	3.65	<1.0
2011	10.68	9.51	0.80	22.51	3.81	<1.0
2010	8.89	9.15	0.91	20.90	4.23	<1.0

The major source thresholds for triggering Title V permitting requirements in Montgomery County are 25 tons per year for NOx and 100 tons per year for all other criteria pollutants, 10 tons per year of any single hazardous air pollutant (HAP) or 25 tons per year of any combination of HAPs. The potential emissions of NOx are greater than the major source threshold of 25 tons

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

per year. Therefore, NSA Bethesda is required to obtain a Title V Part 70 Operating Permit. A Title V renewal permit was issued to NSAB on November 1, 2011 with an expiration date of June 30, 2016.

On August 28, 2015, the Department received a set of applications from NSA Bethesda for the renewal of its Part 70 permit. An administrative completeness review was conducted and the application was deemed to be administratively complete. A Completeness letter was sent to NSA Bethesda on September 11, 2015 granting the facility an application shield.

A description of the emission units is shown in Table 2.

**TABLE 2 - EMISSION UNITS IDENTIFICATION**

<b>MDE Registration No.</b>	<b>Emissions Unit No.</b>	<b>Emission Unit Description</b>	<b>Installation Date</b>
031-1124-5-2256	EU: 52-01C Water Heater	One Aerco INN 1060 natural gas-fired water heater rated at 1.06 MMBtu/hr. heat input.	August 2011
031-1124-5-1241 M	EU: 16-03B Boiler No.3	Cleaver Brooks Boiler Model DL-68E, rated at 67 MMBtu/hr heat input, equipped with flue gas recirculation (FGR) and low NOx burners, and permitted to burn natural gas and No. 2 fuel oil.	January 2002
031-1154-5-1242 M	EU: 16-04B Boiler No. 4	Cleaver Brooks Boiler Model DL-68E, rated at 67 MMBtu/hr heat input, equipped with flue gas recirculation (FGR) and low NOx burners, and permitted to burn natural gas and No. 2 fuel oil.	April 2002
031-1124-5-1263 N	EU: 16-02B Boiler No. 2	Cleaver Brooks Boiler Model DL-68E, rated at 67 MMBtu/hr heat input, equipped with flue gas recirculation (FGR) and low NOx burners, and permitted to burn natural gas and No. 2 fuel oil.	November 2002
031-1124-5-1264 N	EU: 16-01B Boiler No. 1	Cleaver Brooks Boiler Model DL-68E, rated at 67 MMBtu/hr heat input equipped with flue gas recirculation, (FGR) and low NOx	November 2002

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

		burners, and permitted to burn natural gas and No. 2 fuel oil.	
031-1124-5-2233	EU: 16-05B Boiler No. 5	One (1) Cleaver Brooks Boiler Model DL-68E rated at 71 MMBtu/hr heat input, equipped with flue gas recirculation (FGR) and low NOx burner, and is permitted to burn natural gas and No. fuel oil.	June 2010
031-1124-9-0804	EU: 07-01G Emergency Generator	One (1) 680 hp Caterpillar diesel engine emergency generator ID No.M03837, model number 3412 powering a Caterpillar model 3412 DIST electric generator for standby emergency backup power rated at 400 kW.	June 1982
031-1124-9-0805	EU: 53-01G Emergency Generator	One (1) 536 hp Rolls Royce model 1 diesel engine powering a Katolight model D400FRR4 electric generator for standby emergency backup power rated at 400 kW.	1988
031-1124-9-0806	EU: 16-01G Emergency Generator	One (1) 550 hp Cummins model VT-1710-G5 diesel engine (Serial No.10596641) powering a Cummins model 680FDR5059BDW electric generator for standby emergency backup power rated at 410 kW.	1976
031-1124-9-0807	EU: 16-02G Emergency Generator	One (1) 550 hp Cummins model VT-1710-G5 diesel engine (Serial No.10595777) powering a Cummins model 680FDR5059BDW electric generator for standby emergency backup power rated at 410 kW.	1976
031-1124-9-0811	EU: 01-01G Emergency Generator	One (1) 890 hp Caterpillar model 3412 diesel engine powering a Caterpillar model SR-4 electric generator for standby emergency backup power rated at 600 kW.	Unknown
031-1124-9-0628 N *	EU: 51A-01 UST	Gasoline service station consisting of two (2) 20,000 gallon underground gasoline storage tanks.	1995
031-1124-9-0628 N *	EU: 155-01 UST	One (1) 10,000 gallon underground storage gasoline dispensing station.	1997

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

031-1124-9-0949	EU: 27-01 A Emergency Generator	One (1) 1245 hp Caterpillar model C27 diesel engine powering a Caterpillar model SR4B electric generator for standby emergency backup power rated 800 kW.	November 2009
031-1124-9-0961	EU: 71B-01H Emergency Generator	One (1) 619 hp Caterpillar model C15 diesel engine (Serial No. FSE 03146) powering a Caterpillar model LC6 electric generator for standby emergency backup power rated 400 kW.	April 2010
031-1124-9-0962	EU: 72C-02 H Emergency Generator	One (1) 619 hp Caterpillar model C15 diesel engine (Serial No. FSE 03148) powering a Caterpillar model LC6 electric generator for standby emergency backup power rated 400 kW.	June 2010
031-1124-9-0963	EU: 55-03 H Emergency Generator	One (1) 2206 hp Caterpillar model 3512C GD diesel engine (Serial No. EBG00722) powering a Caterpillar model SR4B-GD electric generator for standby emergency backup power rated at 1500 kW.	June 2010
031-1124-9-0964	EU: 63-01G Emergency Generator	One (1) 2923 hp Cummins model QSK60-G6 diesel engine (Serial No. 75779-1005) powering a Cummins model DQKAA-AO30G129 electric generator for standby emergency backup power rated at 1750 kW.	June 2010
031-1124-9-0966	EU: 55-01 H Emergency Generator	One (1) 2206 hp Caterpillar model 3512C diesel engine (Serial No. EBG00724) powering a Caterpillar model SR4B-GD electric generator for standby emergency backup power rated at 600 kW.	June 2010
031-1124-9-0967	EU: 55-02 H Emergency Generator	One (1) 2206 hp Caterpillar model 3512C diesel engine (Serial No. EBG00723) powering a Caterpillar model SR4B-GD electric generator for standby emergency backup power rated at 600 kW.	June 2010

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

031-1124-9-0970	EU:51-01G Emergency Generator	One (1) 685 hp Detroit model 9DDXL14.0VLD diesel engine powering a Kohler Model 400 REOZDD electric generator for standby emergency backup power rated at 405 kW.	May 2010
031-1124-9-1008	EU: 17-01 Emergency Generator	One (1) 903 hp Volvo model TWD1643GE diesel engine powering a Kohler Model 600 REOZ electric generator for standby emergency backup power rated at 600 kW.	July 2011
031-1124-9-1009	EU: 62-02G Emergency Generator	One (1) 903 hp Volvo model TWD1643GE diesel engine powering a Kohler Model 600REOZ electric generator for standby emergency backup power rated at 600 kW.	July 2011
031-1124-9-1010	EU: 63-02H Emergency Generator	One (1) 2923 hp Cummins model QSK60-G6 diesel engine (Serial No. 6113-5) powering a Cummins model DQKAA-A040A134 electric generator for standby emergency backup power rated at 1750 kW.	July 2011
031-1124-9-0960	EU: 70A-01H Emergency Generator	One (1) 546 hp Caterpillar model C15 diesel engine powering a Caterpillar model LC6 electric generator for standby emergency backup power rated at 350 kW.	June 2010
031-1124-9-1003	EU: 44-02G Emergency Generator	One (1) 1490 hp Cummins model QST30-G5 diesel engine powering a Cummins model DQFAD-576145 electric generator for standby emergency backup power rated at 1000 kW.	August 2010
031-1124-9-1004	EU: 44-01G Emergency Generator	One (1) 1220 hp Cummins model QSK23-G7 NR2 diesel engine (Serial No. 00320155) powering a Cummins model DQCB-576141 electric generator for standby emergency backup power rated at 750 kW.	August 2010

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

031-1124-9-1005	EU: 47-01G Emergency Generator	One (1) 1220 hp Cummins model QSK23-G7 NR2 diesel engine (Serial No. 00320174) powering a Cummins model DQCB-576143 electric generator for standby emergency backup power rated at 750 kW.	August 2010
031-1124-9-1024	EU: 55-04H	One (1) 2206 hp Caterpillar model 3512C diesel engine (Serial No. EBG00941) powering a Caterpillar model SR4B-GD electric generator for standby emergency backup power rated at 1500 kW.	November 2011
031-1124-9-1034	EU: 16-01C	One (1) 4023 hp Caterpillar model C175 diesel engine powering a Cummins model SR5 electric generator for standby emergency backup power rated at 3000 kW.	February 2012
031-1124-9-1128	EU: 01-02G	One (1) 1490 hp Cummins model QST30-G5 diesel engine powering a Cummins model NHC20/QST30G5 NR2 electric generator for standby emergency backup power rated at 1038 kW.	April 2015
+031-1124-9-1132	EU: 16-03G	One (1) 1884 hp Caterpillar model 3512 BDITA diesel engine powering a Kohler model SR4 electric generator for standby emergency backup power rated at 1275 kW.	April 2015
031-1124-9-1138	EU: 202-01H	One (1) 752 hp MTU model 10V1600 G80S diesel engine powering an electric generator for standby emergency backup power rated at 500 kW.	January 2016
031-1124-9-1140+	EU: 01-01H	One (1) 896 hp MTU model 12V1600 diesel engine powering an electric generator for standby emergency backup power rated at 600 kW.	TBD

\* The two sets of gasoline storage tanks were registered as a single tank farm and therefore have the same permit number.

+ EU: 01-01H (PTC # 031-1124-9-1140) is a permitted new unit yet to be constructed. This unit will replace existing unit EU: 01-01G.

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

**GREENHOUSE GAS (GHG) EMISSIONS**

NSAB emits the following greenhouse gases (GHGs): carbon dioxide, methane, and nitrous oxide. The GHGs are generated by numerous installations ranging from boilers and diesel engine powered emergency generators - the main sources of combustion related emissions at the plant – to gasoline dispensing stations and underground storage tanks. There are currently no greenhouse gas related Clean Air Act requirements applicable to NSAB. NSAB has not triggered Prevention of Significant Deterioration (PSD) requirements for GHG emissions. NSAB has added many installations, mainly emergency generators, to its facility in recent years. However, there has not been a major construction or modification of any existing installations, which would have warranted a major modification for PSD and/or NA-NSR review. As a result there were no significant GHGs emissions increases associated with the constructions. With respect to PSD applicability, GHGs are a regulated pollutant for PSD purposes only if another PSD pollutant has a significant increase. Although, there have been no GHGs permitting requirements triggered at NSAB vis-à-vis the construction projects, NSAB is still required to quantify, annually, its facility-wide GHGs emissions and report them as part of the Emissions Certification Report required under Section 3 of the Part 70 permit.

The following Table 3 summarizes the actual GHG emissions by NSAB based on its Annual Emission Certification Reports:

**Table 3: Greenhouse Gases Emissions Summary**

<b>GHG</b>	<b>Conversion Factor</b>	<b>2010 tpy CO<sub>2</sub>e</b>	<b>2011 tpy CO<sub>2</sub>e</b>	<b>2012 tpy CO<sub>2</sub>e</b>	<b>2013 tpy CO<sub>2</sub>e</b>	<b>2014 tpy CO<sub>2</sub>e</b>
Carbon dioxide (CO <sub>2</sub> )	1	32,544	32,897	31,309	37,731	36,396
Methane (CH <sub>4</sub> )	21	12	33	217	15	13
Nitrous Oxide (N <sub>2</sub> O)	310	171	180	174	208	208
<b>Total GHG CO<sub>2</sub>eq</b>		<b>32,727</b>	<b>33,109</b>	<b>31,699</b>	<b>37,954</b>	<b>36,617</b>

**COMPLIANCE ASSURANCE MONITORING (CAM) REQUIREMENTS**

CAM is intended to provide a reasonable assurance of compliance with applicable requirements under the Clean Air Act for emission units that rely on air pollution control (APC) equipment to achieve compliance. The CAM approach establishes monitoring requires for the purpose of: (1) documenting continued operation of the control measures within ranges of specified indicators of performance (such as emissions, control device parameters, and process parameters) that are designed to provide a reasonable assurance of compliance with applicable requirements; (2) indicating any excursions from these ranges; and (3) responding to the data so that the cause or causes of the excursions are corrected. In order for a unit to be subject to CAM, the unit must be



**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

located at a major source, be subject to an emission limitation or standard; use a control device to achieve compliance; have pre-control emissions of at least 100% of the major source amount; and must not otherwise be exempt from CAM. Applicability determinations are made on a pollutant-by-pollutant basis for each emissions unit.

The boilers, engines, and gasoline storages tanks at NSAB are not subject to CAM because the pollution control systems do not meet the definition of a control device under §64.1.

### **Overview of the Part 70 Permit**

Section I of the Part 70 Permit contains a brief description of the facility and an inventory list of the emissions units for which applicable requirements are identified in Section IV of the permit.

Section II of the Part 70 Permit contains the general requirements that relate to administrative permit actions. This section includes the procedures for renewing, amending, reopening, and transferring permits, the relationship to permits to construct and approvals, and the general duty to provide information and to comply with all applicable requirements.

Section III of the Part 70 Permit contains the general requirements for testing, record keeping and reporting; and requirements that affect the facility as a whole, such as open burning, air pollution episodes, particulate matter from construction and demolition activities, asbestos provisions, ozone depleting substance provisions, general conformity, and acid rain permit. This section includes the requirement to report excess emissions and deviations, to submit an annual emissions certification report and an annual compliance certification report, and results of sampling and testing.

Section IV of the Part 70 Permit identifies the emissions standards, emissions limitations, operational limitations, and work practices applicable to each emissions unit located at the facility. For each standard, limitation, and work practice, the permit identifies the basis upon which the Permittee will demonstrate compliance. The basis will include testing, monitoring, record keeping, and reporting requirements. The demonstration may include one or more of these methods.

Section V of the Part 70 Permit contains a list of insignificant activities. These activities emit very small quantities of regulated air pollutants and do not require a permit to construct or registration with the Department. For insignificant activities that are subject to a requirement under the Clean Air Act, the requirement is listed under the activity.

Section VI of the Part 70 Permit contains State-only enforceable requirements. Section VI identifies requirements that are not based on the Clean Air Act, but solely on Maryland air pollution regulations. These requirements generally relate to the prevention of nuisances and implementation of Maryland's Air Toxics Program.

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

**REGULATORY REVIEW/TECHNICAL REVIEW/COMPLIANCE METHODOLOGY**

**I EU: 52-01C - One Aerco INN 1060 natural gas-fired hot water heater rated at 1.06 MMBtu/hr. heat input.**

The Aerco INN 1060 installed in August 2011 replaced an existing Aerco KC series hot water heater serial No. G-93-287 rated at 1.0 MMBth/hr. heat input installed at the premises in June 2001. The replacement Aerco INN is a natural gas-fired hot water heater rated at 1.06 MMBtu/hr. heat input.

**APPLICABLE STANDARDS and LIMITATIONS**

**A. Visible Emissions Standards**

**COMAR 26.11.09.05A (2) Areas III and IV.** “In Areas III and IV, a person may not cause or permit the discharge of emissions from any fuel burning equipment, other than water in an uncombined form, which is visible to human observers except that, for the purpose of demonstrating compliance using COM data, emissions that are visible to a human observer are those that are equal to or greater than 10 percent opacity.”

**Exceptions. COMAR 26.11.09.05A(3)** - “Section A (1) and A(2) do not apply to emissions during the periods of load changing, soot blowing, start-up, or adjustments or occasional cleaning of control equipment if:

- (i) The visible emissions are not greater than 40 percent opacity; and
- (ii) The visible emissions do not occur for more than 6 consecutive minutes in any 60-minute period.”

**Compliance Demonstration**

The Permittee shall maintain records and report incidents of visible emissions in accordance with permit condition 4, Section III, Plant Wide Conditions, “Report of Excess Emissions and Deviations” [**Authority: COMAR 26.11.03.06C**].

**Rationale for Periodic Monitoring**

Boilers or hot water heaters that burn natural gas fuel with a rated heat input capacity of less than 10 MM Btu/hr. will not have visible emissions. Boilers in this size range are set up to operate in an automatic mode without oversight of an operator and require minimal preventative maintenance to maintain a level of combustion performance that does not cause visible emissions. Even though there is not a specific schedule to perform observations of the stack emissions, the Permittee is required under the general reporting requirement for excess emissions and deviations to report incidents when visible emissions are observed.

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

Compliance Status

*The Permittee continues to comply with the visible emissions regulation. Thus far, no incidents of visible emissions have been reported.*

**B. NO<sub>x</sub> RACT – COMAR 26.11.09.08**

Requirements for fuel-burning equipment with a rated heat input capacity of 100 million Btu per hour or less.

1. **COMAR 26.11.09.08E** – “A person who owns or operates fuel-burning equipment with a rated heat input capacity of 100 Million Btu per hour or less shall:
  - (1) Submit to the Department an identification of each affected installation, the rated heat input capacity of each installation, and the type of fuel burned in each;
  - (2) Perform a combustion analysis for each installation at least once each year and optimize combustion based on the analysis;
  - (3) Maintain the results of the combustion analysis at the site for at least 2 years and make this data available to the Department and the EPA upon request;
  - (4) Once every 3 years, require each operator of the installation to attend operator training programs on combustion optimization that are sponsored by the Department, the EPA, or equipment vendors; and
  - (5) Prepare and maintain a record of training program attendance for each operator at the site, and make these records available to the Department upon request.”

Compliance Status

*The Department has documentation of the installations at the premises and the fuel utilization by the installations. Maintenance contractors perform maintenance and repairs on the units at the site whenever needed. All contractors are required to have the proper training necessary to maintain any of the equipment at the site. This hot water heater is handled similarly to ensure that it complies with applicable regulatory requirements.*

*Aerco Combustion performed a combustion analysis on the Aerco INN 1060 natural gas-fired hot water heater on April 10, 2013.*

**2. Operator Training**

1. **COMAR 26.11.09.08B (5) (a)** states that “for purposes of this regulation, the equipment operator to be trained may be the person who maintains the equipment and makes the necessary adjustments for efficient operation” and
2. **COMAR 26.11.09.08B (5) (b)** states that “the operator-training course sponsored by the Department shall include an in-house training course that is approved by the Department.”

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

Compliance Demonstration

The Permittee shall maintain a record of training program attendance for each operator onsite for at least 5 years and make the records available to the Department upon request. The training program shall include an MDE approved training course [**Authority: COMAR 26.11.03.06C**].

Compliance Status

*The Permittee, historically, maintains records as required and makes the records available to the Department upon request. Maintenance contractors perform maintenance and repairs on the units at the site whenever needed. All contractors are required to have the proper training as prescribed by COMAR 26.11.09.08B (5) (a) and (b), as necessary, to maintain the equipment.*

**3. Record keeping and Reporting Requirements**

**COMAR 26.11.09.08K (3)** states that “A person subject to this regulation shall maintain annual fuel use records on site for not less than 3 years, and make these records available to the Department upon request.”

**Note:** Retention of records of all monitoring data and support information is for a period of five years or longer, as specified by the Department, from the date of the monitoring sample, measurement, application, or report. [**Authority: COMAR 26.11.09.08 K (3) and COMAR 26.11.03.06C**].

Compliance Demonstration/Compliance Status

The Permittee maintains annual fuel use records on site for at least 5 years and makes these records available to the Department upon request [**Authority: COMAR 26.11.09.08 K and COMAR 26.11.03.06C**].

**C. Operational Standard**

The Permittee shall only burn natural gas in the unit unless the Permittee applies for and receives an approval or permit from the Department to burn an alternate fuel. [**Authority: COMAR 26.11.02.09A**].

Compliance Demonstration

The Permittee shall maintain records of the fuels utilized at the installation for at least five years and make the records available to the Department upon request. [**Authority: COMAR 26.11.03.06C**]. The Permittee shall also submit annual emissions certification report (Permit Condition 8 of Section III, Plant Wide Conditions "Emissions Certification Report"). The annual certification report must contain the type, quantities, and analyses of all fuels burned. [**Authority: COMAR 26.11.02.09A**].

Compliance Status

*The Permittee only burns natural gas in this unit. This fact was reconfirmed during the most recent full compliance evaluation (Level II inspection) conducted on July 31, 2014. Only natural*

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

*gas was reported as the fuel utilized in the unit.*

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**II Emissions Units EU: 16-01B through 16-04B – Four Cleaver Brooks natural gas/fuel oil-fired boilers Model DL-68E each rated at 67 MMBtu/hr. heat input and equipped with low NOx burner and flue gas recirculation.**

These boilers are subject to the requirements of the New Source Performance Standard (NSPS) for Small Industrial-Commercial-Institutional Steam Generalizing Units (40 CFR Part 60, Subpart Dc) because the boilers were installed after June 9, 1989. These boilers are deemed existing sources under the National Emission Standard for Hazardous Air pollutant (NESHAPs) for Industrial, Commercial, Institutional Boilers at Area Sources (40 CFR Part 63, Subpart JJJJJ) because construction or reconstruction of these units commenced before June 4, 2010. They are therefore subject to the requirements of the subpart. However, the boilers are exempted from these requirements provided NSAB continues to restrict the use of fuel oil in these boilers to periods of natural gas curtailments as specified under §63.11195e, and in effect operate these boilers as gas fired boilers. The subpart defines a gas-fired boiler to “include any boiler that burns gaseous fuels not combined with any solid fuels and burns liquid fuel only during periods of gas curtailment, gas supply interruption, startups, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.” [Reference: § 63.11195(e) and § 63.112374].

If at a later date, NSAB decides to combust fuel-oil other than periods of natural gas curtailment, it would have 180 days to comply with the requirements of the subpart. [Reference: § 63.11210(h)]. NSAB shall submit with the annual emissions certification report supporting documentation, which required the curtailment of natural gas.

**APPLICABLE STANDARDS and LIMITATIONS**

**A. Control of Sulfur Oxides**

1. **COMAR 26.11.09.07A (2) (b)** “In Areas III and IV - Sulfur Content Limitations for Fuel. A person may not burn, sell, or make available for sale any fuel with a sulfur content by weight in excess of or which otherwise exceeds 0.3 percent by weight.”
2. **40 CFR 60.42c** - Standard for sulfur dioxide (SO<sub>2</sub>)  
“(d) On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that combusts oil shall cause to be discharged into the atmosphere from that affected facility any gases that contain SO<sub>2</sub> in excess of 215 ng/J (0.50 lb/MMBtu) heat input; or, as an alternative, no owner or operator of an affected facility that combusts oil shall combust oil in the affected facility that contains greater

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

than 0.5 weight percent sulfur. The percent reduction requirements are not applicable to affected facilities under this paragraph.”

“(h) For affected facilities listed under paragraphs (h)(1), (2), or (3) of this section, compliance with the emission limits or fuel oil sulfur limits under this section may be determined based on a certification from the fuel supplier, as described under §60.48c(f), as applicable.

(1) Distillate oil-fired affected facilities with heat input capacities between 2.9 and 29 MW (10 and 100 MMBtu/hr).”

“(i) The SO<sub>2</sub> emission limits, fuel oil sulfur limits, and percent reduction requirements under this section apply at all times, including periods of startup, shutdown, and malfunction.”

**Note:** Compliance with COMAR 26.11.09.07A (2) (b) will constitute compliance with 40 CFR 60.42c. In the Part 70 Permit, the NSPS requirement is streamlined with the COMAR limitation.

Compliance Demonstration

The Permittee shall obtain fuel supplier’s certification, which includes the name of the oil supplier and statement from the fuel supplier that the distillate fuel oil complies with the limitation on sulfur content in the fuel oil. The Permittee shall also maintain records of fuel supplier’s certification for at least 5 years and submit semi-annual reports of fuel supplier’s certifications to the Department [**Authority: COMAR 26.11.03.06C] and [40 CFR Part 60.48c(f)(1)].**

Compliance Status

*The Permittee obtains fuel supplier’s certification, which includes the name of the oil supplier and a statement from the fuel supplier that the distillate fuel oil complies with the limitation on sulfur content in the fuel oil. The Permittee also maintains records of fuel supplier’s certification for at least 5 years and submits semi-annual reports of fuel supplier’s certifications to the Department. The most recent fuel supplier’s certification on record was a January 28, 2013 certification by Donnie Adkins of CIV NAVFAC Washington, reporting on the fuel supplied by Petro Express Company. The fuel oil sulfur content was certified as ultra-low sulfur oil with a sulfur content of 15 PPM or less by weight.*

**B. Control of Visible Emissions**

1. **COMAR 26.11.09.05A (2) - Visible Emissions** - Areas III and IV. “In Areas III and IV, a person may not cause or permit the discharge of emissions from any fuel burning equipment, other than water in an uncombined form, which is visible to human observers except that, for the purpose of demonstrating compliance using COM data, emissions that are visible to a

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

human observer are those that are equal to or greater than 10 percent opacity.”

Exceptions. **COMAR 26.11.09.05A (3)** “Section A (1) and (2) of this regulation do not apply to emissions during load changing, soot blowing, startup, or adjustments or occasional cleaning of control equipment if:

- (1) The visible emissions are not greater than 40 percent opacity; and
- (2) The visible emissions do not occur for more than 6 consecutive minutes in any sixty minute period.”

**2. 40 CFR 60.43c Subpart Dc**

“(c) On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that combusts coal, wood, or oil and has a heat input capacity of 8.7 MW (30 MMBtu/hr) or greater shall cause to be discharged into the atmosphere from that affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.”

“(d) The PM and opacity standards under this section apply at all times, except during periods of startup, shutdown, or malfunction.”

**Note:** Compliance with COMAR 26.11.09.05A (2) will constitute compliance with 40 CFR 60.43.c. In the Part 70 Permit, the NSPS requirement is streamlined with the COMAR limitation.

Compliance Demonstration

The Permittee shall:

- (a) Properly operate and maintain the boilers;
- (b) Maintain an operations manual and preventive maintenance plan; and
- (c) Verify no visible emissions when burning No. 2 fuel-oil. An observer shall perform a visual observation of stack emissions for a 6-minute period at least once for each 168 hours that the boiler burns oil. If a boiler operates on oil for less than 168 hours in a calendar year, the visual observation requirement for that calendar year is waived.

The Permittee shall perform the following if emissions are visible to human observer:

- (i) Inspect combustion control system and boiler operations;
- (ii) Perform all necessary adjustments and/or repairs to the boiler within 48 hours so that visible emissions are eliminated;
- (iii) Document in writing the results of the inspections, adjustments and/or repairs to the boiler; and
- (iv) After 48 hours, if the required adjustments and/or repairs had not eliminated the visible emissions, perform a Method 9 observation once daily for 18 minutes until corrective action has eliminated the visible emissions.

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

The Permittee shall also:

- (a) Maintain a log of maintenance performed on the boilers and training provided for the boiler operators; and
- (b) Maintain a log of visible emissions observation performed on site for at least 5 years and make the log available to the Department's representative upon request. Additionally, the Permittee shall report incidents of visible emissions in accordance with Condition 4 of Section III "Report of Excess Emissions and Deviation [**Authority: COMAR 26.11.03.06C**].

Compliance Status

*The Permittee continues to comply with the requirements of this regulation. The Permittee maintains an operations manual and preventive maintenance plan. Additionally, the Permittee maintains a log of the maintenance performed on the boilers, the training provided for the boiler operators and a log of the visible emissions observation performed on site for 5 years and makes these records available to the Department's representative upon request. The compliance engineer performed a Method 22 in lieu of Method 9 visible emissions test on the boiler stack during the most recent Level II inspection on July 31, 2014. No visible emissions were observed.*

**C. Control of NO<sub>x</sub> Emissions**

- (1) Permit-to-Construct Nos. 031-5-1241-1242 M and 031-5-1263-1264 N, which requires the Permittee to ensure that:
  - (a) The NO<sub>x</sub> emissions from the four 67 MMBtu/hr. boilers (EU: 16-01B Through EU: 16 - 04B) are limited to 0.036 lb per MMBtu of heat input when burning natural gas and 0.1 lb per MMBtu of heat input when burning No. 2 fuel oil.
  - (b) The combined NO<sub>x</sub> emissions from the four 67 MMBtu/hr. Cleaver Brooks boilers (EU: 16 - 01B Through EU: 16 - 04B) are less than 50 tons for any rolling 12-month period unless the Permittee applies for and obtains a New Source Review approval.
  - (c) The operation of the 67 MMBtu/hr. Cleaver Brooks boilers (EU: 16 - 01B Through EU: 16 - 04B), when burning No. 2 fuel oil, shall be limited to 1.6 million gallons per year for any 12 month rolling period in order to maintain a synthetic minor status, unless the Permittee can demonstrate to the satisfaction of the Department that operating beyond this limit will not result in NO<sub>x</sub> emissions equal to or greater than 50 tons on a rolling 12 month basis.

If the supply of natural gas is interrupted such that the quantity of distillate fuel oil burned needs to be increased, for the purpose of this condition, and will exceed the 1.6 million gallons limitation, the Permittee shall notify the Department of the situation and request approval to burn additional distillate fuel oil. Upon approval from the Department, the Permittee may exceed the 1.6 million gallons limitation, but the 50 tons NO<sub>x</sub> emissions limitation shall not be exceeded.



**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

The NO<sub>x</sub> emissions and fuel consumption limitations for the four Cleaver Brooks boilers, each rated at 67 MMBtu/hr, are based on 50 tons per 12 month rolling average NSR threshold limit applicable to the Air Quality Region at the time the permit to construct was issued for the boilers. The emissions calculation is as follows:

Calculations for NO<sub>x</sub>:

$$49.9 \text{ tons/yr} = (\text{gas emissions}) + (\text{fuel oil emissions})$$

$$49.9 \text{ tons/yr} = 0.036 \text{ lb/MMBtu} \times (8760\text{-t}) \text{ hrs/yr} \times 268 \text{ MMBtu/hr} \times 1\text{ton}/2000 \text{ lbs} + 0.10 \text{ lb/MMBtu} \times t \text{ hrs/yr} \times 268 \text{ MMBtu/hr.} \times 1\text{ton} / 2000 \text{ lbs}$$

$$49.9 \text{ tons/yr} = 0.004824 (8760\text{-t}) \text{ tons/yr} + 0.0134t \text{ tons/yr}$$

$$(49.9 - 42.26) \text{ tons/yr} = - 0.004824t + 0.0134t$$

$$7.64 \text{ tons/yr} = 0.008576t$$

$$T = 7.64 / 0.008576 = 891 \text{ hrs/yr}$$

NO<sub>x</sub> emissions for natural gas = 38 tons/yr

NO<sub>x</sub> emissions for fuel oil = 11.9 tons/yr.

Gallons of fuel oil required for 11.9 tons/yr.

$$11.9 \text{ tons/yr} \times 2000 \text{ lbs/ton} = 23,800 \text{ lbs/yr}$$

$$1 \text{ mmbtu} / 0.10 \text{ lb} \times 23,800 = 238,000 \text{ MMBtu/yr}$$

$$1 \text{ gal}/140,000 \text{ btu} \times 238000 \text{ MMBtu/yr} = 1.7 \times 10^6 \text{ gal/yr.}$$

Rationale/Discussion of Periodic Monitoring

1(a) The Permittee shall use a hand held NO<sub>x</sub> analyzer to check and record the NO<sub>x</sub> emissions in the exhaust gases from the boilers for 15 minutes for every 168 hours of operation of each boiler. The Permittee shall perform calibration checks and QA/QC procedures on the hand held NO<sub>x</sub> analyzer prior to use. To verify that the boilers are being operated in a consistent manner with the most recent stack tests, the Permittee shall continuously monitor the excess oxygen in the exhaust gases. [**Authority: COMAR 26.11.03.06C**].

The Permittee shall maintain the following records on site for at least five years:

Records of the hours of operation for each boiler; NO<sub>x</sub> emissions and O<sub>2</sub> readings of the analyzer for each boiler; the type and quantity of fuels used by each boiler; and the calibration checks and QA/QC procedures performed on the hand held NO<sub>x</sub> analyzer. [**Authority: COMAR 26.11.03.06C**].

Additionally, the Permittee shall report on a semi-annual basis incidence of excess emissions when NO<sub>x</sub> emissions rate as measured by the NO<sub>x</sub> monitor, exceed the applicable limit in accordance with Condition 4 of Section III "Report of Excess Emissions and Deviations." [**Authority: COMAR 26.11.03.06C**].

(b) The Permittee shall calculate at the end of each calendar month, the NO<sub>x</sub> emissions from the boilers in tons for the prior rolling twelve-month period and maintain records of the calculations and supporting documentation on site for at least five years. The Permittee shall

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

submit these records in a semi-annual monitoring report due by July 31 for the period January 1 through June 30 and January 31 for the period July 1, through December 31. **[Authority: COMAR 26.11.03.06C].**

- (c) The Permittee shall maintain records of the fuel consumption of natural gas and No. 2 fuel oil during any 12-month rolling period on site for at least five years. Additionally, the Permittee shall submit monthly consumption of both natural gas and No. 2 fuel oil for each boiler on a rolling 12 months basis included with the semi annual monitoring reports. **[COMAR 26.11.03.06C].**

**Note:** The requirements to use a hand held NOx analyzer will provide data necessary to demonstrate compliance with the NOx emissions limit on a more frequent basis than periodic stack tests.

Compliance Status - Stack Testing

*The Permittee conducted a compliance stack test on August 27, 2008 on boiler No. 1 while burning natural gas. The average of the three test runs was 0.027 lbs/MMBtu. The corresponding limit is 0.036 lbs/MMBtu. On June 23, 2010 the Permittee performed a stack test on boiler No. 1 while burning No. 2 fuel oil. The average of the three test runs was 0.069 lbs/MMBtu. The corresponding limit is 0.10 lbs/MMBtu. The previous stack tests have also shown NOx emissions to be within limits. The performance testing of June 25, 2002 on boiler No. 3 resulted in NOx emissions of 0.015 lb per MMBtu compared to a permit limit of 0.036 lb per MMBtu heat input for gas firing and 0.044 lb per MMBtu compared to a permit limit of 0.1 lb per MMBtu heat input for fuel oil firing. For July 2013 - June 30, 2014, the total NOx emissions were 5.15 tons.*

The following Table 4 summarizes the scale of fuel utilization for the five boilers at the NSAB for the most recent five years.

**Table 4: Summary of Fuel Use For Most Recent Five Years**

Year	Boiler No.1 Annual Fuel Use Fuel Oil gals (10 <sup>3</sup> ) (Gas MMCF)	Boiler No. 2 Annual Fuel Use Fuel Oil gals (10 <sup>3</sup> ) (Gas MMCF)	Boiler No. 3 Annual Fuel Use Fuel Oil gals (10 <sup>3</sup> ) (Gas MMCF)	Boiler No. 4 Annual Fuel Use Fuel Oil gals (10 <sup>3</sup> ) (Gas MMCF)	Boiler No. 5 Annual Fuel Use Fuel Oil gals (10 <sup>3</sup> ) (Gas MMCF)
2014	189.8	192.7	0.00	70.00	111.9
	(135.3)	(109.8)	(23.8)	(116.2)	(113.8)
2013	87.5	25.7	0.00	15.4	108.3
	(70.5)	(77.4)	(125.6)	(157.0)	(150.4)
2012	0.42	0.00	0.44	0.12	0.72
	(85.0)	(36.00)	(89.64)	(114.41)	(186.83)
2011	0.00	0.00	0.00	0.00	0.00
	(25.00)	(104.00)	(20.00)	(19.00)	(65.00)
2010	98.55	86.29	53.86	92.59	80.57
	(120.35)	(62.03)	(54.12)	(108.78)	(119.17)

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

**NO<sub>x</sub> RACT - General Requirement and Conditions**

- (2) **COMAR 26.11.09.08B (1)** - The Permittee or operator of a source with a potential to emit of 25 tons or more of NO<sub>x</sub> shall comply with the NO<sub>x</sub> emissions standard set forth in COMAR 26.11.09.08 B(1) (c) which is 0.25 lb of NO<sub>x</sub> per MMBtu of heat input [Authority: Permit to Construct No. 031-5-1241 -1242 M and 031-5-1263-1264 N].

**Note:** The Permittee shall use the same compliance demonstration strategy for demonstrating compliance with the mass emission rates of the applicable requirement “C (1) (a)” as a basis for demonstrating compliance with the NO<sub>x</sub> RACT standard in “C(2)”.

Compliance Demonstration/Rationale/Discussion:

The Permittee is required to meet a mass emission rate of 0.036 lb of NO<sub>x</sub>/MMBtu of heat input when burning natural gas and 0.1 lb of NO<sub>x</sub>/MMBtu when burning No. 2 fuel oil in order to avoid non-attainment NSR applicability with respect to the four 67 MMBtu/hr. boilers. Since these mass emission rates are more stringent than the NO<sub>x</sub> RACT emissions standard set forth in COMAR 26.11.09.08 B (1) (c) (which is 0.25 lb of NO<sub>x</sub>/MMBtu of heat input), compliance with the 0.036 lb of NO<sub>x</sub>/MMBtu heat input when burning natural gas and 0.1 lb of NO<sub>x</sub>/MMBtu heat input when burning No. 2 fuel oil also constitute compliance with the NO<sub>x</sub> RACT standard [Authority: COMAR 26.11.03.06C].

Compliance Status

*The Permittee has demonstrated compliance with this requirement. See C (1) above.*

**(3) Record keeping and Reporting Requirements**

The Permittee is required to maintain annual fuel use records on site for at least three years and make records available to the Department upon request. [Authority: COMAR 26.11.09.08K (3)].

**Note:** Retention of records of all monitoring data and support information is for a period of five years or longer, as specified by the Department, from the date of the monitoring sample, measurement, application, or report. [Authority: COMAR 26.11.03.06C].

Compliance Demonstration

The Permittee shall maintain the annual fuel use records on site for at least five years and make the records available to the Department upon request [Authority: COMAR 26.11.03.06C].

Compliance Status

*The Permittee maintains annual fuel use records on site for at least 5 years and has made these records available to the Department upon request. See Table 4 for a summary of the most recent five years fuel utilization.*

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

**D. Operational Requirement**

**Permit-to-Construct Nos. 031-5-1241-1242 M and 031-5-1263-1264 N** limits fuel use in boilers Nos. EU: 16-01B – EU: 16 - 04B to natural gas and No. 2 fuel oil only.

Compliance Demonstration

The Permittee is required to obtain and maintain fuel-oil supplier certifications, which include the names of the fuel supplier and the kind of fuel supplied. The Permittee shall also maintain records of fuel supplier's certification for at least 5 years and submit semi-annual reports of fuel supplier's certifications. **[Authority: Permit-to-Construct Nos. 031-5-1241-1242 M and 031-5-1263-1264 N; COMAR 26.11.03.06C].**

Compliance Status

*The Permittee complies with the fuel restrictions. Fuels combusted in the boilers are limited to natural gas and No. 2 fuel oil only as evident by the fuel supplier's certifications. The most recent fuel supplier's certification on record was a January 28, 2013 certification by Donnie Adkins of CIV NAVFAC Washington reporting on the fuel supplied by Petro Express Company. The fuel-oil sulfur content was certified as ultra-low sulfur oil with a sulfur content of 15 PPM or less by weight.*

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**III EU: 16-05B - One Cleaver Brooks natural gas/fuel oil-fired boiler Model DL-68E rated at 71 MMBtu/hr. heat input, and equipped with low NOx burner and flue gas recirculation.**

This boiler is subject to the requirements of the New Source Performance Standard (NSPS) for Small Industrial-Commercial-Institutional Steam Generalizing Units (40 CFR Part 60, Subpart Dc) because it was installed after June 9, 1989. Additionally, this boiler is deemed an existing source under the National Emission Standard for Hazardous Air pollutant (NESHAPs) for Industrial, Commercial, Institutional Boilers at Area Sources (40 CFR Part 63, Subpart JJJJJ) because construction or reconstruction of the unit commenced before June 4, 2010. It is subject to the requirements of this subpart. However, the unit is exempted from the requirements provided NSAB continues to restrict the use of fuel-oil to periods of natural gas curtailments as specified under §63.11195e, and in effect operate the boiler as a gas fired boiler. The subpart defines a gas-fired boiler to “include any boiler that burns gaseous fuels not combined with any solid fuels and burns liquid fuel only during periods of gas curtailment, gas supply interruption, startups, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.” **[Reference: § 63.11195(e) and § 63.112374].**

If at a later date, NSAB decides to combust fuel-oil other than periods of natural gas curtailment, it would have 180 days to comply with the requirements of the subpart. **[Reference: §63.11210(h)].** NSAB shall submit with the annual emissions certification report supporting documentation, which required the curtailment of natural gas.

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

**APPLICABLE STANDARDS and LIMITATIONS**

**A. Control of Sulfur Oxides**

1. **COMAR 26.11.09.07A (2) (b)** “In Areas III and IV - Sulfur Content Limitations for Fuel. A person may not burn, sell, or make available for sale any fuel with a sulfur content by weight in excess of or which otherwise exceeds 0.3 percent by weight.”

2. **40 CFR 60.42c** - Standard for sulfur dioxide (SO<sub>2</sub>)

“(d) On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that combusts oil shall cause to be discharged into the atmosphere from that affected facility any gases that contain SO<sub>2</sub> in excess of 215 ng/J (0.50 lb/MMBtu) heat input; or, as an alternative, no owner or operator of an affected facility that combusts oil shall combust oil in the affected facility that contains greater than 0.5 weight percent sulfur. The percent reduction requirements are not applicable to affected facilities under this paragraph.”

“(h) For affected facilities listed under paragraphs (h)(1), (2), or (3) of this section, compliance with the emission limits or fuel oil sulfur limits under this section may be determined based on a certification from the fuel supplier, as described under §60.48c(f), as applicable.

(1) Distillate oil-fired affected facilities with heat input capacities between 2.9 and 29 MW (10 and 100 MMBtu/hr).”

“(i) The SO<sub>2</sub> emission limits, fuel oil sulfur limits, and percent reduction requirements under this section apply at all times, including periods of startup, shutdown, and malfunction.”

**Note:** Compliance with COMAR 26.11.09.07A (2) (b) will constitute compliance with 40 CFR 60.42c. In the Part 70 Permit, the NSPS requirement is streamlined with the COMAR limitation.

**Compliance Demonstration**

The Permittee is required to obtain and maintain fuel-oil supplier certifications, which includes the name of the oil supplier and statement from the fuel supplier that the distillate fuel oil complies with the limitation on sulfur content in the fuel oil. The Permittee shall also maintain records of fuel supplier’s certification for at least 5 years and submit semi-annual reports of fuel supplier’s the certifications Department [**Authority: COMAR 26.11.03.06C**].

**Compliance Status**

*The Permittee maintains fuel-oil supplier certifications , which includes the name of the oil supplier and a statement from the fuel supplier that the distillate fuel oil complies with the*

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

*limitation on sulfur content in the fuel oil. The Permittee also maintain records of fuel supplier's certification for 5 years and submits semi-annual reports of fuel supplier's certifications to the Department.*

*The most recent fuel supplier's certification on record was a January 28, 2013 certification by Donnie Adkins of CIV NAVFAC Washington, reporting on the fuel supplied by Petro Express Company. The fuel oil sulfur content was certified as ultra-low sulfur oil with a sulfur content of 15 PPM or less by weight.*

**B. Control of Visible Emissions**

1. **COMAR 26.11.09.05A (2) - Visible Emissions** - Areas III and IV. In Areas III and IV, a person may not cause or permit the discharge of emissions from any fuel burning equipment, other than water in an uncombined form, which is visible to human observers except that, for the purpose of demonstrating compliance using COM data, emissions that are visible to a human observer are those that are equal to or greater than 10 percent opacity.”

Exceptions. **COMAR 26.11.09.05A (3)** “Section A (1) and (2) of this regulation do not apply to emissions during load changing, soot blowing, startup, or adjustments or occasional cleaning of control equipment if:

- (1) The visible emissions are not greater than 40 percent opacity; and
- (2) The visible emissions do not occur for more than 6 consecutive minutes in any sixty minute period.”

2. **40 CFR 60.43c Subpart Dc**

“(c) On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that combusts coal, wood, or oil and has a heat input capacity of 8.7 MW (30 MMBtu/hr) or greater shall cause to be discharged into the atmosphere from that affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.”

“(d) The PM and opacity standards under this section apply at all times, except during periods of startup, shutdown, or malfunction.”

**Note:** Compliance with COMAR 26.11.09.05A (2) will constitute compliance with 40 CFR 60.43.c. In the Part 70 Permit, the NSPS requirement is streamlined with the COMAR limitation.

Compliance Demonstration

The Permittee shall:

- (a) Properly operate and maintain the boiler;
- (b) Maintain an operations manual and preventive maintenance plan; and

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

- (c) Verify no visible emissions when burning #2 fuel-oil. An observer shall perform a visual observation of stack emissions for a 6-minute period at least once for each 168 hours that the boiler burns oil. If a boiler operates on oil for less than 168 hours in a calendar year, the visual observation requirement for that calendar year is waived.
- (d) Perform the following if emissions are visible to human observer.
  - (i) Inspect combustion control system and boiler operations.
  - (ii) Perform all necessary adjustments and/or repairs to the boiler within 48 hours so that visible emissions are eliminated;
  - (iii) Document in writing the results of the inspections, adjustments and/or repairs to the boiler; and
  - (iv) After 48 hours, if the required adjustments and/or repairs had not eliminated the visible emissions, perform a Method 9 observation once daily for 18 minutes until corrective action has eliminated the visible emissions.

The Permittee shall also:

- (a) Maintain a log of maintenance performed on the boilers and training provided for the boiler operators.
- (b) Maintain log of visible emissions observation performed on site for 5 years and make available to the Department's representative upon request.  
Additionally, the Permittee shall report incidents of visible emissions in accordance with Condition 4 of Section III "Report of Excess Emissions and Deviation [**Authority: COMAR 26.11.03.06C**].

Compliance Status

*The Permittee continues to comply with the requirements of this regulation. The Permittee maintains an operations manual and preventive maintenance plan. Additionally, the Permittee maintains a log of the maintenance performed on the boilers, the training provided for the boiler operators, and a log of the visible emissions observation performed on site for 5 years and makes these records available to the Department's representative upon request. The facility performed a Method 22-like visible emissions observation on the boilers in 2014 on January 14, January 21 and January 29. No visible emissions were observed.*

**C. Control of NO<sub>x</sub> Emissions**

- (1) **Permit-to-Construct No. 031-1124-5-2233** requires the Permittee to ensure that the NO<sub>x</sub> emissions from the boiler are less than 25 tons for any rolling 12-month period unless the source applies for and obtains a New Source Review approval.

Compliance Demonstration

The Permittee shall calculate, at the end of each calendar month, the NO<sub>x</sub> emissions from the boiler in tons for the prior rolling twelve month period. [**Authority: Permit-to-Construct No. 031-1124-5-2233 and COMAR 26.11.03.06C**].

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

The Permittee shall maintain records of the calculations and supporting documentation for the NO<sub>x</sub> emissions from the boiler on a 12-month rolling period basis, on site for at least 5 years. **[Authority: COMAR 26.11.03.06C].**

Additionally, the Permittee shall submit records of NO<sub>x</sub> emissions calculations and supporting documentation a semi-annual monitoring report due by July 31 for the period January 1 through June 30 and January 31 for the period July 1, through December 31. **[Authority: COMAR 26.11.03.06C].**

Compliance Status

*The Permittee maintains annual fuel use records on site for at least 5 years and makes these records available to the Department upon request.*

Premises-wide NO<sub>x</sub> emissions for the most recent five years are shown in the Table 1. NO<sub>x</sub> emissions are much less than 25 tons per year. The average yearly emission is 12.4 tons. For July 2013 - June 30, 2014, the total NO<sub>x</sub> emissions were 5.15 tons. *See Table 4 for a summary of the most recent five years fuel utilization.*

**NO<sub>x</sub> RACT General Requirements and Conditions**

**(2) COMAR 26.11.09.08 B (1) Emission Standards and Requirements**

The Permittee or operator of a source with a potential to emit of 25 tons or more of NO<sub>x</sub> shall comply with the NO<sub>x</sub> emissions standard set forth in COMAR 26.11.09.08 B (1)(c) which is 0.25 lb of NO<sub>x</sub> per MMBtu of heat input..

Rationale/Discussion of Periodic Monitoring

The Permittee shall use a hand held NO<sub>x</sub> analyzer to check and record the NO<sub>x</sub> emissions in the exhaust gases from the boiler for 15 minutes for every 168 hours of operation of the boiler, on a calendar quarter basis. The Permittee shall perform calibration checks and QA/QC procedures on the hand held NO<sub>x</sub> analyzer prior to use. To verify that the boiler is being operated in a consistent manner with the most recent stack tests, the Permittee shall continuously monitor the excess oxygen in the exhaust gases. **[Authority: COMAR 26.11.03.06C].**

The Permittee shall maintain the following records on site for at least five years:

Records of the hours of operation for the boiler; NO<sub>x</sub> emissions and O<sub>2</sub> readings of the analyzer for the boiler; the type and quantity of fuels used by the boiler; and the calibration checks and QA/QC procedures performed on the hand held NO<sub>x</sub> analyzer.**[Authority: COMAR 26.11.03.06C].**

Additionally, the Permittee shall report on a semi-annual basis incidence of excess emissions when NO<sub>x</sub> emissions rate, as measured by the NO<sub>x</sub> monitor, exceed 0.25 lb/MMBtu in accordance with Condition 4 of Section III "Report of Excess Emissions and Deviations."  
**[Authority: COMAR 26.11.03.06C].**



**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

**Note:** The requirements to use a hand held NOx analyzer will provide data to demonstrate compliance with the NOx emissions limit on a more frequent basis than periodic stack tests.

Compliance Status - Stack Testing

*The Permittee conducted a performance testing on November 16 and 17, 2010 on the boiler number EU: 16-05B (the 71 MMBtu/hr. Cleaver Brooks water tube boiler). The NOx emissions test results were 0.032 lb per MMBtu for gas firing and 0.077 lb per MMBtu heat input for fuel oil firing compared to a permit limit of 0.25 lb per MMBtu.*

**(3) Record keeping and Reporting Requirements**

This regulation requires the Permittee to maintain annual fuel use records on site for at least three years and make the records available to the Department upon request [**Authority: COMAR 26.11.09.08K (3)** ].

**Note:** Retention of records of all monitoring data and support information is for a period of five years or longer, as specified by the Department, from the date of the monitoring sample, measurement, application, or report. [**Authority: COMAR 26.11.03.06C**].

Compliance Demonstration:

The Permittee shall maintain the annual fuel use records on site for at least five years and make the records available to the Department upon request [**Authority: COMAR 26.11.09.08K (3) and COMAR 26.11.03.06C**].

Compliance Status

*The Permittee maintains annual fuel use records on site for at least 5 years and makes these records available to the Department upon request. See Table 4 for a summary of the most recent five years fuel utilization.*

**D. Operational Requirements**

**(1) Permit-to-Construct No. 031-1124-5-2233** requires the Permittee to ensure that the fuels combusted in boiler are limited to natural gas and No. 2 fuel oil only.

Compliance Demonstration

The Permittee is required to obtain and maintain fuel-oil supplier certifications, which includes the name of the fuel supplier and the kind of fuel supplied. The Permittee shall also maintain records of fuel supplier's certification for 5 years and submit semi-annual reports of fuel supplier's certifications. [**Authority: Permit-to-Construct No. 031-1124-5-2233 and COMAR 26.11.03.06C**].

Compliance Status

*The Permittee complies with the fuel use restrictions. Fuels combusted in the boilers are limited to natural gas and No. 2 fuel oil only as evident by the fuel supplier's certifications.*

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

**IV Emissions Unit Number(s)**

**Variety of EUs comprising five (5) diesel engine emergency generators of sizes ranging from 400 kW – 600 kW with the following emissions unit numbers.**

**Emissions Unit Number(s): 07-01G, 53-01G, 16-01G, 16-02G and 01-01G** – constructed before July 11, 2005. These units are not subject to NSPS requirements under 40 CFR Part 60 Subpart III because of the NSPS applicability date of July 11, 2005 [Ref.: §60.4200(a) (2) (i)].

**Applicable Requirement/Limits**

**Visible Emissions Limitations**

- A1. **COMAR 26.11.09.05E (2)** Emissions During Idle Mode. A person may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity.
- A2. **COMAR 26.11.09.05E (3)** Emissions During Operating Mode. A person may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity.
- A3. **COMAR 26.11.09.05E (4)** Exceptions.
- (a) Section E (2) of this regulation does not apply for a period of 2 consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system.
  - (b) Section E (2) of this regulation does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods:
    - (i) Engines that are idled continuously when not in service: 30 minutes;
    - (ii) All other engines: 15 minutes.
  - (c) Section E (2) and (3) of this regulation do not apply while maintenance, repair, or testing is being performed by qualified mechanics.

**Compliance Demonstration:**

- (1) The Permittee shall:
    - (a) Properly operate and maintain the engine; and
    - (b) Maintain an operations manual and preventive maintenance plan.
- [Authority: COMAR 26.11.03.06C].**

The Permittee shall properly operate and maintain the CI engine in a manner to minimize visible emissions and in accordance with the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. **[Authority: COMAR 26.11.03.06C)].**

The Permittee shall maintain records of the preventive maintenance that relates to combustion process performed on the engine on site for at least 5 years and make the records available to the

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

Department upon request. The Permittee shall also retain the operations manual on site and make it available to the Department upon request [**Authority: COMAR 26.11.03.06C**]. The Permittee shall report incidents of visible emissions in accordance with Condition 4 of Section III “Report of Excess Emissions and Deviation. [**Reference: COMAR 26.11.03.06C**].

*Compliance Status*

The Permittee maintains its operations manual and preventive maintains plans on site. The Plans are made available to the Department upon request. Records of the preventive maintenance that are performed on the engines are also kept on site and are made available to the Department upon request.

**Control of Sulfur Oxide Emissions**

**B1. COMAR 26.11.09.07A (2) (b)** “ In Areas III and IV - Sulfur Content Limitations for Fuel. A person may not burn, sell, or make available for sale any fuel with a sulfur content by weight in excess of or which otherwise exceeds 0.3 percent by weight.”

**B2 40 CFR Part 63 Subpart ZZZZ (The RICE Rule) §63.6604 -What fuel requirements must I meet if I own or operate a stationary CI RICE?**

“(b) Beginning January 1, 2015, if you own or operate an existing emergency CI stationary RICE with a site rating of more than 100 brake HP and a displacement of less than 30 liters per cylinder that uses diesel fuel and operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §63.6640(f)(2)(ii) and (iii) or that operates for the purpose specified in §63.6640(f)(4)(ii), you must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.

**Note:** 40 CFR 80.510(b) requires diesel fuel with a maximum sulfur content limit of 15 ppm and a cetane index or aromatic content, as follows:

- (i) A minimum cetane index of 40; or
- (ii) A maximum aromatic content of 35 volume percent.

*Compliance Demonstration:*

The Permittee shall obtain a certification from the fuel oil supplier, which states the percent sulfur content of the fuel oil by weight. The percent sulfur content shall comply with the limitation on the percent sulfur content of the fuel oil. The Permittee shall retain the fuel supplier certifications of the percent sulfur content in the fuel for at least five years and shall make the records available to the Department upon request [**Authority: COMAR 26.11.03.06C**]. The Permittee shall also submit an annual emissions certification report (Permit Condition 8 of Section III, Plant Wide Conditions “Emissions Certification Report”). The annual certification report must contain the type, quantities, and analyses of all fuels burned [**Authority: COMAR 26.11.09.07C**].

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

Compliance Status

*The Permittee obtains fuel supplier's certification, which includes the name of the oil supplier and a statement from the fuel supplier that the distillate fuel oil complies with the limitation on sulfur content in the fuel oil. The Permittee also maintains records of fuel supplier's certification for 5 years and submits semi-annual reports of fuel supplier's certifications to the Department.*

*The most recent fuel supplier's certification on record was a January 28, 2013 certification by Donnie Adkins of CIV NAVFAC Washington, reporting on the fuel supplied by Petro Express Company. The fuel oil sulfur content was certified as ultra-low sulfur oil with a sulfur content of 15 PPM or less by weight.*

**C. Nitrogen Oxide Emissions**

**1. COMAR 26.11.09.08G – Requirements for Fuel-Burning Equipment with a Capacity Factor of 15 percent or less.**

- (1) A person who owns or operates fuel-burning equipment with a capacity factor (as defined in 40 CFR Part 72.2) of 15 percent or less shall:
- (a) Provide certification of the capacity factor of the equipment to the Department in writing;
  - (b) For fuel-burning equipment that operates more than 500 hours during a calendar year, perform a combustion analysis and optimize combustion at least once annually (*Not applicable- limited to 100 hours per year*);
  - (c) Maintain the results of the combustion analysis at the site for at least 2 years and make these results available to the Department and the EPA upon request;
  - (d) Require each operator of an installation, except combustion turbines, to attend operator training programs at least once every 3 years, on combustion optimization that are sponsored by the Department, the EPA, or equipment vendors; and
  - (e) Maintain a record of training program attendance for each operator at the site, and make these records available to the Department upon request.”

**2. COMAR 26.11.09.08B (5) - Operator Training.**

- (a) **COMAR 26.11.09.08B (5) (a)** states that” for purposes of this regulation, the equipment operator to be trained may be the person who maintains the equipment and makes the necessary adjustments for efficient operation” and
- (b) **COMAR 26.11.09.08B (5) (b)** states that “the operator-training course sponsored by the Department shall include an in-house training course that is approved by the Department.”

**3. COMAR 26.11.09.08K (3) - Requires the Permittee to maintain annual fuel use records on site for at least three years and make records available to the Department upon request.**

**[Authority: COMAR 26.11.09.08K (3)].**

**Note:** Retention of records of all monitoring data and support information is for a period of five years or longer, as specified by the Department, from the date of the monitoring

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

sample, measurement, application, or report. [Authority: COMAR 26.11.03.06C].

Compliance Demonstration:

The Permittee shall require each installation operators to attend operator training program on combustion optimization that are sponsored by the Department, U.S. EPA, or equipment vendors, once every three years. [Authority: COMAR 26.11.09.08G (1) (d)].

The Permittee shall maintain a record of training program attendance for each operator at the site, and make these records available to the Department upon request. [Authority: COMAR 26.11.09.08G (1) (e)].

The Permittee shall provide certification of the capacity factor of the equipment to the Department in writing with the Annual Emissions Certification Report which is due April 1 of each calendar year. [Authority: COMAR 26.11.03.06C and COMAR 26.11.09.08G (1) (a)].

Compliance Status

*The Permittee complies with the requirements of this regulation. The certifications of capacity factor are included with the emissions certification report. The plant operators receive appropriate training and the Permittee maintains annual fuel use records on site for at least 5 years and makes these records available to the Department upon request. [Authority: COMAR 26.11.09.08K (3) and COMAR 26.11.03.06C].*

**IVa Emissions Unit Number(s)**

**Variety of EUs comprising five (5) diesel engine emergency generators of sizes ranging from 400 kW – 600 kW with the following emissions unit numbers.**

**Control of NESHAP**

**40 CFR Part 63 Subpart ZZZZ-RICE RULE**

- (1) The Permittee shall comply with the following requirements for the diesel engine:
  - (a) Change oil and filter every 500 hours of operation or annually, whichever comes first;
  - (b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and
  - (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.  
[Reference: 40 CFR §63.6603(a) and Table 2d, Item 4 of 40 CFR 63, Subpart ZZZZ].

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

- (2) In order to extend the specified oil change requirement in Table 2d, Item 4 of 40 CFR 63, Subpart ZZZZ, applicable on May 3, 2013 for the diesel engine, the Permittee has the option to utilize an oil analysis program in 40 CFR §63.6625(i) as follows:
- (a) The oil analysis must be performed at the same frequency specified for changing the oil in 40 CFR 63, Table 2d to Subpart ZZZZ.
  - (b) The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content (by volume). The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5.
  - (c) If all of these condemning limits are not exceeded, the Permittee is not required to change the oil. If any of the limits are exceeded, the Permittee must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the Permittee must change the oil within 2 days or before commencing operation, whichever is later.  
**[Reference: Footnote 1 to Table 2d of 40 CFR 63, Subpart ZZZZ and 40 CFR §63.6625(i)].**
- (3) If the emergency generator is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of 40 CFR 63, Subpart ZZZZ, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated.  
**[Footnote 2 to Table 2d of 40 CFR 63, Subpart ZZZZ].**
- (4) The owners and operators (the Permittee) of an existing emergency CI stationary RICE with a site rating of more than 100 brake horsepower and a displacement of less than 30 liters per cylinder that uses diesel fuel and are contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §63.6640(f)(2)(ii) and (iii) or that operates for the purposes specified in §63.6640(f)(4)(ii) must purchase diesel fuel that meets the requirements of 40 CFR 80.510(b) for non-road diesel fuel.  
**Note:** 40 CFR 80.510(b) requires diesel fuel with a maximum sulfur content limit of 15 ppm and a cetane index or aromatic content, as follows:
  - (i) A minimum cetane index of 40; or
  - (ii) A maximum aromatic content of 35 volume percent.**[Reference: CFR §63.6604(b)].**
- (5) The Permittee must comply with the following work or management practices:
- (a) Operate and maintain each emergency generator according to the manufacturer's emission-related operation and maintenance instructions; or

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

- (b) Develop and follow their own maintenance plan which must provide to the extent practicable for the maintenance and operation of each emergency generator in a manner consistent with good air pollution control practice for minimizing emissions.

**[Reference: 40 CFR 63.6640(a) and Table 6, Item 9].**

- (6) As an owner/operator of emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in **40 CFR 63.6640(f)** (1) through (f) (4). In order for the engine to be considered emergency stationary RICE under this subpart, any operation other than emergency operation and maintenance and testing is prohibited. If you do not operate the engine according to the requirements in paragraphs (f) (1) through (f) (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

- (f)(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

- (f)(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f) (2) (i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (f)(4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

- (f)(2)(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

- (f)(2)(ii) - *Not applicable.*

- (f)(2)(iii) - *Not applicable.*

- (f)(3) - *Not applicable.*

- (f)(4) - *Not applicable.*

- (f)(4)(i) - *Not Applicable*

- (f)(4)(ii) - *Not Applicable*

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

Compliance Demonstration:

The Permittee at all times must operate and maintain the diesel engine, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

The general duty to minimize emissions does not require the Permittee to make any further efforts to reduce emissions if levels required by 40 CFR 63, Subpart ZZZZ have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Department which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. **[Reference 40 CFR §63.6605(b)].**

The Permittee must operate and maintain the diesel engine according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the emergency generators in a manner consistent with good air pollution control practice for minimizing emissions. **[Reference: 40 CFR §63.6625(e)].**

The Permittee must minimize the diesel engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. **[Reference: 40 CFR §63.6625(h)].**

The Permittee must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE according to your own maintenance plan. **[Reference: 40 CFR §63.6655(e)].**

Compliance Status

*The Permittee complies with the requirements of 40 CFR Part 63, Subpart ZZZZ. No deviations have been reported.*

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**V. Emissions Unit Number(s)**

**Variety of EUs comprising twenty-one (21) diesel engine emergency generators of sizes ranging from 400 kW – 3,000 kW with the following emissions unit numbers.**

**Emissions Unit Number(s): 27-01A, 71B-01H, 72C-02H, 55-03H, 63-01G, 55-01H, 55-02H, 51-01G, 17-01, 62-02G, 63-02H, 70A-01H, 44-02G, 44-01G, 47-01G, 55-04H, 16-01C, 01-02G, 16-03G, 202-01H, and 01-01H – constructed after July 11, 2005 [Ref.: §60.4200(a)(2)(i)].**

**Note:** These units are subject to the NSPS requirements under 40 CFR Part 60 Subpart IIII because they were constructed after NSPS applicability date of July 11 2005. The earliest unit (27-01A) was constructed in November 2009. As a result the units are subject to the RICE requirements under 40 CFR 63 Subpart ZZZZ. 40 CFR 63 Subpart ZZZZ defines stationary RICE located at an area source as new if construction of the source commenced on or after June 12, 2006. Under §63.6590(c) (1) - Stationary RICE subject to Regulations under 40 CFR 60 - "An affected source that meets any of the criteria in paragraphs (c) (1) through (7) of this section



**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

must meet the requirements of this part by meeting the requirement of 40 CFR part 60 Subpart III, for compression ignition engine or 40 CFR part 60 Subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.”

**Applicable Standards/Limits**

**A. Visible Emissions Limitations**

- A1. **COMAR 26.11.09.05E (2)** Emissions During Idle Mode. A person may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity.
- A2. **COMAR 26.11.09.05E (3)** Emissions During Operating Mode. A person may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity.
- A3. **COMAR 26.11.09.05E (4)** Exceptions.
- (a) Section E (2) of this regulation does not apply for a period of 2 consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system.
  - (b) Section E (2) of this regulation does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods:
    - (i) Engines that are idled continuously when not in service: 30 minutes;
    - (ii) All other engines: 15 minutes.
  - (c) Section E (2) and (3) of this regulation do not apply while maintenance, repair, or testing is being performed by qualified mechanics.
- A4. 40 CFR Part 60 Subpart III. - New Source Performance Standard (NSPS) for Stationary Compression Ignition (CI) Internal Combustion Engines (ICE)  
See Section IV-5a below.

**§ 89.113 Smoke emission standard**

See requirements under paragraph B below.

**Compliance Demonstration**

The Permittee shall properly operate and maintain the CI engine in a manner to minimize visible emissions and in accordance with the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. The Permittee shall maintain records of the preventive maintenance that relates to combustion process performed on the engine on site for at least 5 years and make the records available to the Department upon request. The Permittee shall also retain the operations manual on site and make it available to the Department upon request. [**Authority: COMAR 26.11.03.06C**].

The Permittee shall report incidents of visible emissions in accordance with Condition 4 of Section III “Report of Excess Emissions and Deviation. [**Reference: COMAR 26.11.03.06C**].

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

Compliance Status

*The Permittee maintains its operations manual and preventive maintenance plans on site. The Plans are made available to the Department upon request. Records of the preventive maintenance that are performed on the engines are also kept on site and are made available to the Department upon request.*

**B. Control of Particulate**

Compliance Demonstration/Status

The Permittee shall comply with the operational limitations under NSPS §60.4206 and §60.4209(a) – See Section IV-5a below.

**C. Control of Sulfur Oxide Emissions**

**C1. COMAR 26.11.09.07A (2) (b)** “ In Areas III and IV - Sulfur Content Limitations for Fuel.

A person may not burn, sell, or make available for sale any fuel with a sulfur content by weight in excess of or which otherwise exceeds 0.3 percent by weight.”

**C2. NSPS subpart IIII-§60.4207** “What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?”

“(a) Not applicable

(b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (otherwise obtained) prior to October 1, 2010, may be used until depleted

(c) Permittee, owner or operator must use fuel that meets a maximum per gallon sulfur content of 1,000 parts per million (ppm).”

Compliance Demonstration

The Permittee shall obtain fuel supplier’s certification, which includes the name of the oil supplier and statement from the fuel supplier that the distillate fuel oil complies with the limitations on sulfur content in the fuel oil. [**Authority: COMAR 26.11.03.06C**].

The Permittee shall comply with requirements under 40 CFR 60 subpart IIII. **Note:** The fuel supplier’s certification required for demonstrating compliance with the COMAR sulfur in fuel limitation will be used to determine compliance with the NSPS fuel requirement.

The Permittee shall maintain records of fuel suppliers’ certifications of the percent sulfur content in the fuel on site for at least five years and shall make the records available to the Department upon request. The fuel oil certification report must contain the type, quantities, and analyses of all fuels burned [**Authority: COMAR 26.11.09.07C**].

The Permittee shall submit the fuel supplier certification or a copy of the sulfur in fuel analyses to the Department upon request. [**Authority: COMAR 26.11.09.07C**].

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

Compliance Status

*The Permittee maintains fuel-oil supplier certifications, which includes the name of the oil supplier and a statement from the fuel supplier that the distillate fuel oil complies with the limitation on sulfur content in the fuel oil. The Permittee also maintains records of fuel supplier's certification for 5 years and submits semi-annual reports of fuel supplier's certifications to the Department. The most recent fuel supplier's certification on record was a January 28, 2013 certification by Donnie Adkins of CIV NAVFAC Washington, reporting on the fuel supplied by Petro Express Company. The fuel oil sulfur content was certified as ultra-low sulfur oil with a sulfur content of 15 PPM or less by weight.*

Control of Nitrogen Oxides

**D. NO<sub>x</sub> RACT Requirements**

1. **COMAR 26.11.09.08G** – Requirements for Fuel-Burning Equipment with a Capacity Factor of 15 percent or less.
  - (1) A person who owns or operates fuel-burning equipment with a capacity factor (as defined in 40 CFR Part 72.2) of 15 percent or less shall:
    - (a) Provide certification of the capacity factor of the equipment to the Department in writing;
    - (b) For fuel-burning equipment that operates more than 500 hours during a calendar year, perform a combustion analysis and optimize combustion at least once annually.
    - (c) Maintain the results of the combustion analysis at the site for at least 2 years and make these results available to the Department and the EPA upon request;
    - (d) Require each operator of an installation, except combustion turbines, to attend operator training programs at least once every 3 years, on combustion optimization that are sponsored by the Department, the EPA, or equipment vendors; and
    - (e) Maintain a record of training program attendance for each operator at the site, and make these records available to the Department upon request.”
2. **COMAR 26.11.09.08B (5) - Operator Training**.
  - (a) **COMAR 26.11.09.08B (5) (a)** states that” for purposes of this regulation, the equipment operator to be trained may be the person who maintains the equipment and makes the necessary adjustments for efficient operation” and.
  - (b) **COMAR 26.11.09.08B (5) (b)** states that “the operator-training course sponsored by the Department shall include an in-house training course that is approved by the Department.”
3. **COMAR 26.11.09.08K (3) -** Requires the Permittee to maintain annual fuel use records on site for at least three years and make records available to the Department upon request. [**Authority: COMAR 26.11.09.08K (3)**].

**Note:** Retention of records of all monitoring data and support information is for a period of five years or longer, as specified by the Department, from the date of the monitoring sample, measurement, application, or report. [**Authority: COMAR 26.11.03.06C**].

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

**E. NSPS Subpart III – See Table IV-5a**

Compliance Demonstration

The Permittee shall require each installation operators to attend an operator training program on combustion optimization that is sponsored by the Department, U.S. EPA, or equipment vendors, once every three years. [Authority: COMAR 26.11.09.08G (1) (d)];

The Permittee shall maintain a record of training program attendance for each operator at the site, and make these records available to the Department upon request. [Authority: COMAR 26.11.09.08G (1) (e)]

The Permittee shall provide certification of the capacity factor of the equipment to the Department in writing with the Annual Emissions Certification Report which is due April 1 of each calendar year. [Authority: COMAR 26.11.03.06C and COMAR 26.11.09.08G (1) (a)].

Compliance Status

*The Permittee is in compliance with the requirements of this regulation and conducts in-house annual review/training program as part of the incinerator training process. The review/training course is held in December of every year. The latest review/training course took place on December 2, 8, 15, and 16, 2009. Twenty-seven employees were in attendance. The engine operates 40 -60 hours per year with a capacity factor of 0.5 to 0.8 percent. The Permittee maintains annual fuel use records on site for at least 5 years and makes these records available to the Department upon request. [Authority: COMAR 26.11.03.06C].*

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**Va. Emissions Unit Number(s)**

**Variety of EUs comprising twenty-one (21) diesel engine emergency generators of sizes ranging from 400 kW – 3,000 kW with the following emissions unit numbers.**

**Applicable Standards/Limits**

**NSPS Subpart III Limitations**

Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in §60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE. [Reference: §60.4205 (b)].

The Permittee must comply by purchasing an engine certified to the emission standards specified in §60.4205(b) for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications. [Reference: §60.4211(c)].

Owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted. **[Reference: §60.4207(b)].**

The fuel sulfur requirements of 40 CFR §80.510(b) are as follows:

- (a) Maximum sulfur content 15 ppm and
- (b) Minimum cetane index of 40; or
- (c) Maximum aromatic content of 35 volume percent.

*Compliance Demonstration*

The Permittee must operate and maintain an NSPS emergency diesel engines and all control devices (if applicable) according to the manufacturer's written instructions or according to procedures developed by the owner or operator that are approved by the manufacturer. Additionally, the Permittee may change only those settings that are permitted by the manufacturer. The Permittee must also meet the requirements of 40 CFR part 89, part 94 and/or part 1068, as they may apply to an owner or operator **[Ref: §60.4211(a)].**

The emergency diesel engine subject to the requirements of 40 CFR 60, Subpart IIII shall be equipped with a non-resettable hour meter **[Reference: §60.4209(a)].**

In accordance with **40 CFR §60.4211(f)**, as owner/operator of an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (f) (1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation and maintenance and testing is prohibited. If you do not operate the engine according to the requirements in paragraphs (f) (1) through (3) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(f)(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

(f)(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (f) (2) (i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (f)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(f)(2)(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(f)(2)(ii) - ***Not Applicable***

(f)(2)(iii) - ***Not Applicable***

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

(f)(3) - *Not Applicable*

The Permittee shall keep records of the operation of the engine in emergency and non-emergency services that are recorded through the non-resettable hour meter. The Permittee must record the time of operation of the engine and the reason the engine was in operation during that time. [Reference: §60.4214(b)].

Compliance Status

*The Permittee complies with the requirements of this subpart. No deviations have been reported.*

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**VI EMISSIONS UNIT NUMBERS EU: 155-01 AND EU: 51A-01 CONSIST OF ONE (1) 10,000 GALLON GASOLINE STORAGE TANK, AND TWO (2) 20,000 GALLON GASOLINE STORAGE TANKS RESPECTIVELY**

Applicable Regulation/limits

(1) **COMAR 26.11.13.04**

C This regulation prohibits the operation or loading of gasoline storage tanks with a capacity greater than 2,000 gallons, but less than 40,000 gallons, or a gasoline tank truck used to transfer gasoline into a storage tank of the capacity stated above, unless the loading system is equipped with a vapor balance line (Stage 1 and Stage II vapor recovery systems) that is properly installed, maintained and used.

D. General Standards.

A person may not cause or permit a gasoline or VOC having a TVP of 1.5 psia (10.3 kilo-newtons per square meter) or greater to be loaded into any truck, railroad tank car, or other contrivance unless the:

- (1) Loading connections on the vapor lines are equipped with fittings that have no leaks and that automatically and immediately close upon disconnection to prevent release of gasoline or VOC from these fittings; and
- (2) Equipment is maintained and operated in a manner to prevent avoidable liquid leaks during loading and unloading operations.”

(2) **COMAR 26.11.24.02 - Vapor Recovery at Gasoline Dispensing Facilities -**  
Applicability, Exemptions, and Effective Date.

“A. This chapter applies in Baltimore City and Anne Arundel, Baltimore, Calvert, Carroll, Cecil, Charles, Frederick, Harford, Howard, Montgomery, and Prince George’s Counties.”

“B. A gasoline dispensing facility exempted under Sec. C of this regulation is subject only to the record-keeping and reporting requirement of Regulation

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

.07D of this chapter.”

- “C. The provisions of this chapter do not apply to:
- (1) The owner or operator of an existing gasoline dispensing facility with a monthly gasoline throughput of less than 10,000 gallons;
  - (2) The owner or operator of any new gasoline dispensing facility that has a total gasoline storage tank capacity of less than 2,000 gallon; or
  - (3) An existing independent small business gasoline marketer whose monthly gasoline throughput during calendar years 1990 and 1991 was less than 50,000 gallons.”

(3) **COMAR 26.11.24.03 – General Requirements**

- “E. An operator may not use or allow the use of defective equipment associated with the transfer of gasoline from a stationary gasoline storage tank to motor vehicle fuel tanks.”
- “F. The operator may not install or use a replacement part in an approved system unless that part has been certified by CARB or approved by the Department for the approved system.”
- “G. The owner shall ensure that all underground piping is installed in accordance with the Department’s requirements related to underground storage tanks, which are set forth in COMAR 26.10.03.”
- “H. Gasoline storage tanks serving a gasoline dispensing facility that is subject to this chapter shall be equipped with a properly designed and installed pressure and vacuum valve with minimum pressure and vacuum settings as specified in the CARB Executive Order for that system.”

(4) **COMAR 26.11.24.03-1 Decommissioning of the Stage II Vapor Recovery System.**

- “A. Notwithstanding Regulation .03A of this chapter, an owner or operator of a gasoline dispensing facility or system of gasoline dispensing facilities that installed approved Stage II vapor recovery systems:
- (1) May decommission Stage II vapor recovery systems in accordance with §B of this regulation after October1, 2016; or
  - (2) May decommission Stage II vapor recovery systems in accordance with §B of this regulation where a gasoline dispensing facility undergoes a major modification after the effective date of this regulation.”
- “B. An owner or operator of a gasoline dispensing facility that decommissions a Stage II vapor recovery system shall perform the decommissioning of the Stage II vapor recovery system in accordance with the “Recommended Practices for Installation and Testing of Vapor Recovery Systems at

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

Vehicle Refueling Sites” of the Petroleum Equipment Institute, Section 14,  
2009 and COMAR 26.10.10.”

Compliance Demonstration/ Compliance Status

*The gasoline storage tank has an existing vapor balance line that is properly installed and maintained.*

(5) Operating Requirements:

**COMAR 26.11.24.06** - Training Requirements for Operation and Maintenance of Approved Systems.

A. General. An operator shall ensure that:

- (1) At least one employee at each facility subject to this regulation is trained in accordance with the requirements of Sec. B of this regulation; and
- (2) The trained employee assists in the training of each of the other employees at that facility who are involved in the operation or maintenance of the approved system.

B. Approved Training Course Contents and Duration.

- (1) An approved training course shall contain, at a minimum, a discussion of the following:
  - (a) Purposes and effects of Stage II vapor recovery;
  - (b) Stage II vapor recovery equipment design, function, operation and maintenance;
  - (c) Daily inspection requirements and development and maintenance of records and files; and
  - (d) Equipment warranties and spare parts.
- (2) The approved training course shall be of a duration sufficient to properly train persons in the requirements of this chapter.”

Compliance Demonstration/Compliance Status

*The Permittee has met all of these requirements. Personnel are trained and equipment is inspected. The Permittee has conducted an approved training course with the appropriate content.*

(6) Instructional Signs [Authority: COMAR 26.11.24.08]

A. “An operator who is subject to this chapter shall place instructional signs in conspicuous locations at each gasoline dispenser.

B. The instructional signs shall include:

- (1) Instructions, with illustrations, on how to insert the nozzle, dispensing gasoline, and how to remove the nozzle;
- (2) A warning against attempts to continue refueling after automatic shutoff of the gasoline (that is, topping off); and
- (3) The Department’s toll-free telephone number, which may be used for complaints or comments concerning the use of the Stage II vapor recovery systems.”



**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

Compliance Demonstration/ Compliance Status

*The Permittee has installed the appropriate instructional sign.*

Testing Requirements

**COMAR 26.11.24.04 - Testing Requirements**

- A.” Except as provided in §§E and F of this regulation, an owner subject to this chapter shall perform the following CARB-approved tests.
- (1) A leak test in accordance with the Vapor Recovery Test Procedure TP-201.3 referenced in Regulation .01-1B (1) of this chapter;
  - (2) An air to liquid volume ratio test in accordance with the Vapor Recovery Test Procedure TP-201.5 referenced in Regulation .01-1B(2) of this chapter.
  - (3) A dynamic pressure performance test in accordance with the Vapor Recovery Test Procedure TP-201.4 referenced in Regulation .01-1B(3) of this chapter;
  - (4) A vapor return line vacuum integrity test for the Healy Model 400 ORVR System in accordance with Executive Order G-70-186, Exhibit 4 referenced in Regulation .01-1B(4) of this chapter; and
  - (5) A vapor return line vacuum integrity test for the Healy Model 600 System in accordance with Executive Order G-70-165 Exhibit 4 referenced in Regulation .01-1B(5) of this chapter.

A-1. Testing Requirements for Decommissioned Stations and New Stations Installed after the effective date of this regulation that did not Install Stage II. Except as provided in §§E and F of this regulation, an owner or operator of a gasoline dispensing facility subject to this chapter who does not operate a Stage II Vapor Recovery system shall perform the testing requirements of §A(1), (6), and (7) of this regulation as specified in §C(2) of this regulation and repeat annually.

B. The leak and liquid blockage tests required in Sec. A of this regulation shall be performed on each approved system before the gasoline dispensing facility is initially used to refuel motor vehicles, or by the applicable dates in Regulation .03 of this chapter, whichever occurs later. The test method for dynamic back pressure shall be used for the liquid blockage test in accordance with Method 1012 set forth in Sec. A of this regulation.

- C. An owner of a Stage II vapor recovery system subject to this chapter shall repeat the required tests:
- (a) In accordance with the test schedule in §C (2) of this regulation; and
  - (b) Upon replacement of 75 percent or more of an approved system.

<i>Type of Stage II Vapor Recovery System</i>	<i>Initial Test</i>	<i>Frequency of Retest</i>
(a) Vapor Balance System	Dynamic Back Pressure	12 months
	Leak Test	12 months
	Liquid Blockage Test	5 years
(b) Vapor Assist System—Type 1	Air to Liquid Ratio Test	12 months

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

	Leak Test	12 months
	Liquid Blockage Test	5 years
(c) Vapor Assist System—Type 2 Model 400	Nozzle Regulation Test	12 months
	Vapor Return Leak Tightness Test	12 months
(d) Vapor Assist System—Type 2 Model 600	Air to Liquid Ratio Test	12 months
	Vapor Return Line Vacuum Integrity Test	12 months

- D. If a gasoline dispensing facility fails any test required by this chapter, the owner shall notify the Department of the failure in writing within 5 working days after the test and before retesting.
- E. Alternative test methods approved by CARB may be used in place of the test methods specified in §A of this regulation, if the alternative test methods are approved by the U.S. Environmental Protection Agency (EPA) as a revision to the State Implementation Plan, which is Maryland's plan for meeting the National Ambient Air Quality Standards.
- F. Test methods and the frequency of testing required by this regulation may be modified for vapor assist systems, if the test methods and testing frequency are approved by the Department and the EPA.

Compliance Demonstration/ Compliance Status

*The Permittee has conducted the required testing. The Permittee conducts daily shutoff and flow prohibition tests.*

Monitoring Requirements

**COMAR 26.11.24.05 – Inspection Requirements.**

- A. “An operator subject to this chapter shall ensure that each approved system is inspected at least once each day of operation to verify that it is working properly.
- B. Except as provided in Sec. C of this regulation, the Department shall consider an operator of a gasoline dispensing facility to be in violation of Regulation .03E of this chapter during period of time that the facility is operated while there is defective equipment at the facility.
- C. The operator is not in violation of Regulation .03E of this chapter during any period of time for which the operator establishes, to the satisfaction of the Department, that nozzles associated with defective equipment were tagged out of service and that no nozzle associated with the defective equipment was actually used.
- D. For defective equipment that was identified by the Department, the operator shall inform the Department by telephone within 72 hours after the repair or replacement of the defective equipment.” **[Authority: COMAR 26.11.03.06].**

Compliance Demonstration/ Compliance Status

*The Permittee inspects the stage II systems daily and maintains a log of results.*

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

Record Keeping Requirements:

- (1) **COMAR 26.11.24.07** - Record Keeping Requirements and Reporting
- A. “An operator subject to this chapter shall create and maintain a record file at the facility.
- B. The record file shall contain copies of all test reports, permits, violation notices, correspondence with the Department, equipment maintenance records, training records, and other information pertinent to the requirements of this chapter. Verification of training shall be maintained in the facility file. Equipment maintenance records shall be maintained for at least 2 years. Test records shall be maintained for at least 5 years.
- C. The equipment maintenance records shall include:
- (1) The date on which defective equipment was found, a description of each defect, a description of the corrective action and the date on which the defect was corrected, and the probable cause of the defect;
- (2) If parts are replaced, the location within the approved system of the part, the part number, and assurance that the replacement part does not degrade the efficiency of the system; and
- (3) Inspection reports and any other information relating to maintenance or care of the system.” **[Authority: COMAR 26.11.03.06].**
- (2) **COMAR 26.11.24.08 - Instructional Signs –**
- “A. An operator who is subject to this chapter shall place instructional signs in conspicuous locations at each gasoline dispenser.”
- “B. The instructional signs shall include:
- (1) Instructions, with illustrations, on how to insert the nozzle, dispense gasoline, and how to remove the nozzle;
- (2) A warning against attempts to continue refueling after automatic shut-off of the gasoline (that is, topping off); and
- (3) The Department's toll-free telephone number which may be used for complaints or comments concerning the use of Stage II vapor recovery systems.” **[Authority: COMAR 26.11.24.08]**

Compliance Demonstration/ Compliance Status

*According to the compliance engineer, the Permittee maintains the appropriate record on site.*

Reporting Requirements:

The Permittee shall submit written notification to the Department within 5 days of the incident, unless otherwise specified by the Permit. **[Authority: COMAR 26.11.24.07E].**

The following reporting requirements apply to any test required under this chapter:

- (1) The Department shall be notified 5 days before a test is to be conducted;
- (2) A test protocol shall be available at the test site during testing;
- (3) Copies of all test results shall be forwarded to the Department within 30 days of the test; and
- (4) Test failures shall be reported to the Department in writing within 5 days following the date of the failure. **[Authority: COMAR 26.11.24.07E].**

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT No. 24-031-01124  
 FACT SHEET**

Compliance Status

The Permittee complies with the reporting requirements.

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**VIa 40 CFR Part 63 subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities**

The gasoline storage tank **EU: 155-01** is located in the Government Gas Station. It is an existing 10,000-gallon gasoline storage tank constructed in 1995 and has not been reconstructed since then. To be an existing source under this subpart, the affected source had to have been constructed before November 9, 2006. The five year annual average throughputs since 2011 through 2015 are depicted in the table below. Based on the average monthly throughput shown in the table below, this emission unit is subject to §63.11116 - Requirements for facilities with monthly throughput of less than 10,000 gallons of gasoline.

The emission unit **EU: 51A-01** comprises of two (2) 20,000-gallon gasoline storage tanks. The emission unit is located in the NEX Gas Station. These tanks are existing gasoline storage tanks constructed in 1997 and have not been reconstructed since then. They are existing storage tanks because they were constructed before November 9, 2006. The five year annual average throughputs since 2011 through 2015 are depicted in the Average Monthly Throughputs table below. Based on the average monthly throughputs shown in the table below, this emission unit is subject to §63.11118 - Requirements for facilities with monthly throughput of 100,000 gallons of gasoline or more.

**Table 5.** Average Monthly Throughputs (gallons)

Year	2111	2012	2013	2014	2015
<b>EU: 155-01</b>	992.08	909.50	631.00	736.50	880.42
<b>EU: 51A-01</b>	120,814.83	101,112.58	132,685.08	138,082.00	147,966.08

Applicable Standards/Limits:  
 40 CFR Part 63 subpart CCCCCC

**§63.11110 What is the purpose of this subpart?**

This subpart establishes national emission limitations and management practices for hazardous air pollutants (HAP) emitted from the loading of gasoline storage tanks at gasoline dispensing facilities (GDF). This subpart also establishes requirements to demonstrate compliance with the emission limitations and management practices.

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

**§63.11111 Am I subject to the requirements in this subpart?**

- (a) The affected source to which this subpart applies is each GDF that is located at an area source. The affected source includes each gasoline cargo tank during the delivery of product to a GDF and also includes each storage tank.
- (b) If your GDF has a monthly throughput of less than 10,000 gallons of gasoline, you must comply with the requirements in §63.11116.
- (c) If your GDF has a monthly throughput of 10,000 gallons of gasoline or more, you must comply with the requirements in §63.11117. *Not applicable*
- (d) If your GDF has a monthly throughput of 100,000 gallons of gasoline or more, you must comply with the requirements in §63.11118.
- (e) An affected source shall, upon request by the Administrator, demonstrate that their monthly throughput is less than the 10,000-gallon or the 100,000-gallon threshold level, as applicable. For new or reconstructed affected sources, as specified in §63.11112(b) and (c), recordkeeping to document monthly throughput must begin upon startup of the affected source. For existing sources, as specified in §63.11112(d), recordkeeping to document monthly throughput must begin on January 10, 2008. For existing sources that are subject to this subpart only because they load gasoline into fuel tanks other than those in motor vehicles, as defined in §63.11132, recordkeeping to document monthly throughput must begin on January 24, 2011. Records required under this paragraph shall be kept for a period of 5 years. *As applicable*
- (f) If you are an owner or operator of affected sources, as defined in paragraph (a) of this section, you are not required to obtain a permit under 40 CFR part 70 or 40 CFR part 71 as a result of being subject to this subpart. However, you must still apply for and obtain a permit under 40 CFR part 70 or 40 CFR part 71 if you meet one or more of the applicability criteria found in 40 CFR 70.3(a) and (b) or 40 CFR 71.3(a) and (b).
- (g) *Not applicable*
- (h) Monthly throughput is the total volume of gasoline loaded into, or dispensed from, all the gasoline storage tanks located at a single affected GDF. If an area source has two or more GDF at separate locations within the area source, each GDF is treated as a separate affected source.
- (i) If your affected source's throughput ever exceeds an applicable throughput threshold, the affected source will remain subject to the requirements for sources above the threshold, even if the affected source throughput later falls below the applicable throughput threshold.
- (j) The dispensing of gasoline from a fixed gasoline storage tank at a GDF into a portable gasoline tank for the on-site delivery and subsequent dispensing of the gasoline into the fuel tank of a motor vehicle or other gasoline-fueled engine or equipment used within the area source is only subject to §63.11116 of this subpart. *Not applicable*
- (k) For any affected source subject to the provisions of this subpart and another Federal rule, you may elect to comply only with the more stringent provisions of the applicable subparts. You must consider all provisions of the rules, including monitoring, recordkeeping, and reporting. You must identify the affected source and provisions with which you will comply in your Notification of Compliance Status

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

required under §63.11124. You also must demonstrate in your Notification of Compliance Status that each provision with which you will comply is at least as stringent as the otherwise applicable requirements in this subpart. You are responsible for making accurate determinations concerning the more stringent provisions, and noncompliance with this rule is not excused if it is later determined that your determination was in error, and, as a result, you are violating this subpart. Compliance with this rule is your responsibility and the Notification of Compliance Status does not alter or affect that responsibility.

**§63.11112 What parts of my affected source does this subpart cover?**

- (a) The emission sources to which this subpart applies are gasoline storage tanks and associated equipment components in vapor or liquid gasoline service at new, reconstructed, or existing GDF that meet the criteria specified in §63.11111. Pressure/Vacuum vents on gasoline storage tanks and the equipment necessary to unload product from cargo tanks into the storage tanks at GDF are covered emission sources. The equipment used for the refueling of motor vehicles is not covered by this subpart. - *As applicable*
- (b) An affected source is a new affected source if you commenced construction on the affected source after November 9, 2006, and you meet the applicability criteria in §63.11111 at the time you commenced operation. *Not applicable*
- (c) An affected source is reconstructed if you meet the criteria for reconstruction as defined in §63.2. *Not applicable*
- (d) An affected source is an existing affected source if it is not new or reconstructed.

**§63.11113 When do I have to comply with this subpart?**

- (a) If you have a new or reconstructed affected source, you must comply with this subpart according to paragraphs (a)(1) and (2) of this section, except as specified in paragraph (d) of this section. *Not applicable*
- (b) If you have an existing affected source, you must comply with the standards in this subpart no later than January 10, 2011.
- (c) If you have an existing affected source that becomes subject to the control requirements in this subpart because of an increase in the monthly throughput, as specified in §63.11111(c) or §63.11111(d), you must comply with the standards in this subpart no later than 3 years after the affected source becomes subject to the control requirements in this subpart.
- (d) If you have a new or reconstructed affected source and you are complying with Table 1 to this subpart, you must comply according to paragraphs (d)(1) and (2) of this section. *Not applicable*
- (e) The initial compliance demonstration test required under §63.11120(a)(1) and (2) must be conducted as specified in paragraphs (e)(1) and (2) of this section.

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

- (1) If you have a new or reconstructed affected source, you must conduct the initial compliance test upon installation of the complete vapor balance system. ***Not applicable***
- (2) If you have an existing affected source, you must conduct the initial compliance test as specified in paragraphs (e)(2)(i) or (e)(2)(ii) of this section.
- (i) For vapor balance systems installed on or before December 15, 2009, you must test no later than 180 days after the applicable compliance date specified in paragraphs (b) or (c) of this section.
- (ii) For vapor balance systems installed after December 15, 2009, you must test upon installation of the complete vapor balance system. ***Not applicable***
- (f) If your GDF is subject to the control requirements in this subpart only because it loads gasoline into fuel tanks other than those in motor vehicles, as defined in §63.11132, you must comply with the standards in this subpart as specified in paragraphs (f)(1) or (f)(2) of this section.
  - (1) If your GDF is an existing facility, you must comply by January 24, 2014.
  - (2) If your GDF is a new or reconstructed facility, you must comply by the dates specified in paragraphs (f)(2)(i) and (ii) of this section. ***Not applicable***
  - (i) If you start up your GDF after December 15, 2009, but before January 24, 2011, you must comply no later than January 24, 2011. ***Not applicable***
  - (ii) If you start up your GDF after January 24, 2011, you must comply upon startup of your GDF. ***Not applicable***

**§63.11116. Requirements for facilities with monthly throughput of less than 10,000 gallons of gasoline – Applicable to EU:155-01 only.**

“(a) You must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:

- (1) Minimize gasoline spills;
- (2) Clean up spills as expeditiously as practicable;
- (3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;
- (4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.” - ***As applicable***

“(b) The Permittee is not required to submit notifications or reports as specified in §63.11125, §63.11126, or subpart A of this part, but must have records available within 24 hours of a request by the Administrator to document the gasoline throughput.”

“(c) The Permittee must comply with the requirements of this subpart by the applicable dates specified in §63.11113.” (Note: January 10, 2008)

“(d) Portable gasoline containers that meet the requirements of 40 CFR part 59, subpart F, are considered acceptable for compliance with paragraph (a)(3) of this section.”

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

**§63.11117 Requirements for facilities with monthly throughput of 10,000 gallons of gasoline or more - Applicable to EU:51A-01only.**

- (b) Except as specified in paragraph (c) of this section, you must only load gasoline into storage tanks at your facility by utilizing submerged filling, as defined in §63.11132, and as specified in paragraphs (b)(1), (b)(2), or (b)(3) of this section. The applicable distances in paragraphs (b)(1) and (2) shall be measured from the point in the opening of the submerged fill pipe that is the greatest distance from the bottom of the storage tank.
- (1) Submerged fill pipes installed on or before November 9, 2006, must be no more than 12 inches from the bottom of the tank.
- (2) Submerged fill pipes installed after November 9, 2006, must be no more than 6 inches from the bottom of the tank.
- (3) Submerged fill pipes not meeting the specifications of paragraphs (b)(1) or (b)(2) of this section are allowed if the owner or operator can demonstrate that the liquid level in the tank is always above the entire opening of the fill pipe. Documentation providing such demonstration must be made available for inspection by the Administrator's delegated representative during the course of a site visit.

**§63.11118 Requirements for facilities with monthly throughput of 100,000 gallons of gasoline or more – Applies to EU:51A-01 only.**

- (a) You must comply with the requirements in §§63.11116(a) and 63.11117(b).
- (b) Except as provided in paragraph (c) of this section, you must meet the requirements in either paragraph (b)(1) or paragraph (b)(2) of this section.
  - (1) Each management practice in Table 1 to this subpart that applies to your GDF.
  - (2) If, prior to January 10, 2008, you satisfy the requirements in both paragraphs (b)(2)(i) and (ii) of this section, you will be deemed in compliance with this subsection.
    - (i) You operate a vapor balance system at your GDF that meets the requirements of either paragraph (b)(2)(i)(A) or paragraph (b)(2)(i)(B) of this section.
      - (A) Achieves emissions reduction of at least 90 percent.
      - (B) Operates using management practices at least as stringent as those in Table 1 to this subpart.
    - (ii) Your gasoline dispensing facility is in compliance with an enforceable State, local, or tribal rule or permit that contains requirements of either paragraph (b)(2)(i)(A) or paragraph (b)(2)(i)(B) of this section.
  - (c) The emission sources listed in paragraphs (c)(1) through (3) of this section are not required to comply with the control requirements in paragraph (b) of this section, but must comply with the requirements in §63.11117. ***Not applicable***
    - (1) Gasoline storage tanks with a capacity of less than 250 gallons that are constructed after January 10, 2008.
    - (2) Gasoline storage tanks with a capacity of less than 2,000 gallons that were constructed before January 10, 2008.
    - (3) Gasoline storage tanks equipped with floating roofs, or the equivalent.



**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

- (d) Cargo tanks unloading at GDF must comply with the management practices in Table 2 to this subpart. *Not applicable*
- (e) You must comply with the applicable testing requirements contained in §63.11120. *As applicable*
- (f) You must submit the applicable notifications as required under §63.11124. *Not applicable*
- (g) You must keep records and submit reports as specified in §§63.11125 and 63.11126.
  - (h) You must comply with the requirements of this subpart by the applicable dates contained in §63.11113.
  - (h) You must comply with the requirements of this subpart by the applicable dates contained in §63.11113.

**Testing Requirements:**

**§63.11120 What testing and monitoring requirements must I meet?**

- (a) Each owner or operator, at the time of installation, as specified in §63.11113(e), of a vapor balance system required under §63.11118(b)(1), and every 3 years thereafter, must comply with the requirements in paragraphs (a)(1) and (2) of this section.
  - (1) You must demonstrate compliance with the leak rate and cracking pressure requirements, specified in item 1(g) of Table 1 to this subpart, for pressure-vacuum vent valves installed on your gasoline storage tanks using the test methods identified in paragraph (a)(1)(i) or paragraph (a)(1)(ii) of this section.
    - (i) California Air Resources Board Vapor Recovery Test Procedure TP-201.1E,—Leak Rate and Cracking Pressure of Pressure/Vacuum Vent Valves, adopted October 8, 2003 (incorporated by reference, see §63.14).
    - (ii) Use alternative test methods and procedures in accordance with the alternative test method requirements in §63.7(f). *Not applicable*
  - (2) You must demonstrate compliance with the static pressure performance requirement specified in item 1(h) of Table 1 to this subpart for your vapor balance system by conducting a static pressure test on your gasoline storage tanks using the test methods identified in paragraphs (a)(2)(i), (a)(2)(ii), or (a)(2)(iii) of this section.
    - (i) California Air Resources Board Vapor Recovery Test Procedure TP-201.3,—Determination of 2-Inch WC Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities, adopted April 12, 1996, and amended March 17, 1999 (incorporated by reference, see §63.14).
    - (ii) Use alternative test methods and procedures in accordance with the alternative test method requirements in §63.7(f). *Not applicable*
    - (iii) Bay Area Air Quality Management District Source Test Procedure ST-30—Static Pressure Integrity Test—Underground Storage Tanks, adopted November 30, 1983, and amended December 21, 1994 (incorporated by reference, *see* §63.14). *Not applicable*

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

- (b) Each owner or operator choosing, under the provisions of §63.6(g), to use a vapor balance system other than that described in Table 1 to this subpart must demonstrate to the Administrator or delegated authority under paragraph §63.11131(a) of this subpart, the equivalency of their vapor balance system to that described in Table 1 to this subpart using the procedures specified in paragraphs (b)(1) through (3) of this section. ***Not applicable***
- (1) You must demonstrate initial compliance by conducting an initial performance test on the vapor balance system to demonstrate that the vapor balance system achieves 95 percent reduction using the California Air Resources Board Vapor Recovery Test Procedure TP-201.1,—Volumetric Efficiency for Phase I Vapor Recovery Systems, adopted April 12, 1996, and amended February 1, 2001, and October 8, 2003, (incorporated by reference, see §63.14). ***Not applicable***
- (2) You must, during the initial performance test required under paragraph (b)(1) of this section, determine and document alternative acceptable values for the leak rate and cracking pressure requirements specified in item 1(g) of Table 1 to this subpart and for the static pressure performance requirement in item 1(h) of Table 1 to this subpart. ***Not applicable***
- (3) You must comply with the testing requirements specified in paragraph (a) of this section.
- (c) Conduct of performance tests. Performance tests conducted for this subpart shall be conducted under such conditions as the Administrator specifies to the owner or operator based on representative performance (*i.e.*, performance based on normal operating conditions) of the affected source. Upon request, the owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests. ***Not applicable***
- (d) Owners and operators of gasoline cargo tanks subject to the provisions of Table 2 to this subpart must conduct annual certification testing according to the vapor tightness testing requirements found in §63.11092(f). ***Not applicable***

**Monitoring Requirements:**

**§63.11115 What are my general duties to minimize emissions**

Each owner or operator of an affected source under this subpart must comply with the requirements of paragraphs (a) and (b) of this section.

- (a) You must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.
- (b) You must keep applicable records and submit reports as specified in §63.11125(d) and §63.11126(b).

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

**Record Keeping Requirements:**

**§63.11125 What are my recordkeeping requirements?**

- (a) Each owner or operator subject to the management practices in §63.11118 must keep records of all tests performed under §63.11120(a) and (b).
- (b) Records required under paragraph (a) of this section shall be kept for a period of 5 years and shall be made available for inspection by the Administrator's delegated representatives during the course of a site visit.
- (c) Each owner or operator of a gasoline cargo tank subject to the management practices in Table 2 to this subpart must keep records documenting vapor tightness testing for a period of 5 years. Documentation must include each of the items specified in §63.11094(b)(2)(i) through (viii). Records of vapor tightness testing must be retained as specified in either paragraph (c)(1) or paragraph (c)(2) of this section. ***Not applicable***
  - (1) The owner or operator must keep all vapor tightness testing records with the cargo tank.
  - (2) As an alternative to keeping all records with the cargo tank, the owner or operator may comply with the requirements of paragraphs (c)(2)(i) and (ii) of this section.
    - (i) The owner or operator may keep records of only the most recent vapor tightness test with the cargo tank, and keep records for the previous 4 years at their office or another central location.
    - (ii) Vapor tightness testing records that are kept at a location other than with the cargo tank must be instantly available (*e.g.*, via e-mail or facsimile) to the Administrator's delegated representative during the course of a site visit or within a mutually agreeable time frame. Such records must be an exact duplicate image of the original paper copy record with certifying signatures.
- (d) Each owner or operator of an affected source under this subpart shall keep records as specified in paragraphs (d)(1) and (2) of this section.
  - (1) Records of the occurrence and duration of each malfunction of operation (*i.e.*, process equipment) or the air pollution control and monitoring equipment.
  - (2) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.11115(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.”

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

**Reporting Requirements:**

**§63.11124 What notifications must I submit and when?**

- (a) Each owner or operator subject to the control requirements in §63.11117 must comply with paragraphs (a)(1) through (3) of this section. *Not applicable*
- (1) You must submit an Initial Notification that you are subject to this subpart by May 9, 2008, or at the time you become subject to the control requirements in §63.11117, unless you meet the requirements in paragraph (a)(3) of this section. If your affected source is subject to the control requirements in §63.11117 only because it loads gasoline into fuel tanks other than those in motor vehicles, as defined in §63.11132, you must submit the Initial Notification by May 24, 2011. The Initial Notification must contain the information specified in paragraphs (a)(1)(i) through (iii) of this section. The notification must be submitted to the applicable EPA Regional Office and delegated State authority as specified in §63.13.
  - (i) The name and address of the owner and the operator.
  - (ii) The address (i.e., physical location) of the GDF.
  - (iii) A statement that the notification is being submitted in response to this subpart and identifying the requirements in paragraphs (a) through (c) of §63.11117 that apply to you.
- (2) You must submit a Notification of Compliance Status to the applicable EPA Regional Office and the delegated State authority, as specified in §63.13, within 60 days of the applicable compliance date specified in §63.11113, unless you meet the requirements in paragraph (a)(3) of this section. The Notification of Compliance Status must be signed by a responsible official who must certify its accuracy, must indicate whether the source has complied with the requirements of this subpart, and must indicate whether the facilities' monthly throughput is calculated based on the volume of gasoline loaded into all storage tanks or on the volume of gasoline dispensed from all storage tanks. If your facility is in compliance with the requirements of this subpart at the time the Initial Notification required under paragraph (a)(1) of this section is due, the Notification of Compliance Status may be submitted in lieu of the Initial Notification provided it contains the information required under paragraph (a)(1) of this section.
- (3) If, prior to January 10, 2008, you are operating in compliance with an enforceable State, local, or tribal rule or permit that requires submerged fill as specified in §63.11117(b), you are not required to submit an Initial Notification or a Notification of Compliance Status under paragraph (a)(1) or paragraph (a)(2) of this section.
- (b) Each owner or operator subject to the control requirements in §63.11118 must comply with paragraphs (b)(1) through (5) of this section.
  - (1) You must submit an Initial Notification that you are subject to this subpart by May 9, 2008, or at the time you become subject to the control requirements in §63.11118. If your affected source is subject to the control requirements in §63.11118 only because it loads gasoline into fuel tanks other than those in motor vehicles, as defined in §63.11132, you must submit the Initial Notification by May 24, 2011. The Initial

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

Notification must contain the information specified in paragraphs (b)(1)(i) through (iii) of this section. The notification must be submitted to the applicable EPA Regional Office and delegated State authority as specified in §63.13. ***Not applicable***

- (i) The name and address of the owner and the operator.
  - (ii) The address (i.e., physical location) of the GDF.
  - (iii) A statement that the notification is being submitted in response to this subpart and identifying the requirements in paragraphs (a) through (c) of §63.11118 that apply to you.
- (2) You must submit a Notification of Compliance Status to the applicable EPA Regional Office and the delegated State authority, as specified in §63.13, in accordance with the schedule specified in §63.9(h). The Notification of Compliance Status must be signed by a responsible official who must certify its accuracy, must indicate whether the source has complied with the requirements of this subpart, and must indicate whether the facility's throughput is determined based on the volume of gasoline loaded into all storage tanks or on the volume of gasoline dispensed from all storage tanks. If your facility is in compliance with the requirements of this subpart at the time the Initial Notification required under paragraph (b)(1) of this section is due, the Notification of Compliance Status may be submitted in lieu of the Initial Notification provided it contains the information required under paragraph (b)(1) of this section. ***Not applicable***
- (3) If, prior to January 10, 2008, you satisfy the requirements in both paragraphs (b)(3)(i) and (ii) of this section, you are not required to submit an Initial Notification or a Notification of Compliance Status under paragraph (b)(1) or paragraph (b)(2) of this subsection. ***Not applicable***
- (i) You operate a vapor balance system at your gasoline dispensing facility that meets the requirements of either paragraphs (b)(3)(i)(A) or (b)(3)(i)(B) of this section.
    - (A) Achieves emissions reduction of at least 90 percent.
    - (B) Operates using management practices at least as stringent as those in Table 1 to this subpart.
  - (ii) Your gasoline dispensing facility is in compliance with an enforceable State, local, or tribal rule or permit that contains requirements of either paragraphs (b)(3)(i)(A) or (b)(3)(i)(B) of this section.
- (4) You must submit a Notification of Performance Test, as specified in §63.9(e), prior to initiating testing required by §63.11120(a) and (b). ***Not applicable***
- (5) You must submit additional notifications specified in §63.9, as applicable. ***Not applicable***

**§63.11126 What are my reporting requirements?**

- (a) Each owner or operator subject to the management practices in §63.11118 shall report to the Administrator the results of all volumetric efficiency tests required under §63.11120(b). Reports submitted under this paragraph must be submitted within 180 days of the completion of the performance testing.
- “(b) Each owner or operator of an affected source under this subpart shall report, by March

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

15 of each year, the number, duration, and a brief description of each type of malfunction which occurred during the previous calendar year and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with §63.11115(a), including actions taken to correct a malfunction. No report is necessary for a calendar year in which no malfunctions occurred.”

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**1990 CAAA, Section 112(r), Accidental Releases**

The Permittee is not subject to 112 (r).

**1990 CAAA, Title IV, Acid Rain**

The Permittee is not an affected source under the 1990 CAAA, Title IV Acid Rain Program.

**1990 CAAA, Title VI, Ozone Depleting Substances**

Permittee does not service or repair its window air-conditioning units.

**Compliance Schedule**

Not applicable since the Permittee is in compliance with regulatory requirements.

**Permit Shield**

A Permit Shield shall cover the applicable requirements identified for the emissions units listed in the “Regulatory Review/Technical Review/Compliance Methodology” section above.

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**SECTION V INSIGNIFICANT ACTIVITIES**

NSA Bethesda has identified the following emissions units and activities as insignificant activities in accordance with the requirements of Part 70 Permit Program. These activities do not have any requirements under the Clean Air Act.

- (1) No. 19 Fuel burning equipment using gaseous fuels or no. 1 or no. 2 fuel oil, and having a heat input less than 1,000,000 Btu (1.06 gigajoules) per hour;

All 19 units are natural gas-fired units; 6 space heaters (i.e. furnaces); and 13 water heaters, all less than 1 MMBtu/hr. are subject to the following requirements:

**COMAR 26.11.09.05A (2) - Visible Emissions** - Fuel Burning Equipment - “In Areas III and IV, a person may not cause or permit the discharge of emissions from any fuel burning equipment, other than water in an uncombined form, which is visible to human observers.”

Exceptions. “Section A (1) and (2) does not apply to emissions during load changing,

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

soot blowing, startup, or occasional cleaning of control equipment if:

- (1) The visible emissions are not greater than 40 percent opacity; and
- (2) The visible emissions do not occur for more than 6 consecutive minutes in any sixty minute period.”

- (2) No. 18 Stationary internal combustion engines with an output less than 500 brake horsepower (373 kilowatts), which is not used to generate electricity for sale or for peak or load shaving.

The emergency diesel generators are subject to the following state requirements:

**COMAR 26.11.09.05E (2) Emissions During Idle Mode.** A person may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity.

**COMAR 26.11.09.05E (3). Emissions During Operating Mode.** A person may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity.

**COMAR 26.11.09.05E (4) Exceptions.**

- (a) Section E (2) does not apply for a period of 2 consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system.
- (b) Section E (2) does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods:
  - (i) Engines that are idled continuously when not in service: 30 minutes;
  - (ii) All other engines: 15 minutes.
- (c) Section E (2) and (3) does not apply while maintenance, repair, or testing is being performed by qualified mechanics.

The emergency diesel generators are subject to the following federal requirements:

**40 CFR 63, Subpart III** – All units constructed after the NSPS applicability date of July 11, 2005 are subject to the requirements of this rule.

**40 CFR 63, Subpart ZZZZ** – All reciprocating internal combustion engines are subject to this rule. However, units subject to Subpart III have no further requirements under Subpart ZZZZ.

- (3)   X   Space heaters operating by direct heat transfer and used solely for comfort heat; Kerosene fired mobile space heaters

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

- (4)  Water cooling towers and water cooling ponds unless used for evaporative cooling of water from barometric jets or barometric condensers, or used in conjunction with an installation requiring a permit to operate;
- (5) No. 20 Unheated VOC dispensing containers or unheated VOC rinsing containers of 60 gallons (227 liters) capacity or less; The reported number refers to 20 VOC storage cabinets or areas that store various VOC containing products under 60 gallons
- (6)  Commercial bakery ovens with a rated heat input capacity of less than 2,000,000 btu per hour;
- (7)  Equipment for drilling, carving, cutting, routing, turning, sawing, planing, spindle sanding, or disc sanding of wood or wood products;
- (8)  Brazing, soldering, welding equipment, and cutting torches related to manufacturing and construction activities that emit HAP metals and not directly related to plant maintenance upkeep and repair or maintenance shop activities;
- (9) Containers, reservoirs, or tanks used exclusively for:
- (a)  Storage of butane, propane, or liquefied petroleum, or natural gas;
- (b) No. 53 Storage of Numbers 1, 2, 4, 5, and 6 fuel oil and aviation jet engine fuel; 40 small day/belly tanks used as primary fuel tanks for generators. 13 large ASTs or USTs (No. 2 diesel fuel) used as secondary fuel tanks.
- (10)  Charbroilers and pit barbecues as defined in COMAR 26.11.18.01 with a total cooking area of 5 square feet (0.46 square meter) or less;
- (11)  First aid and emergency medical care provided at the facility, including related activities such as sterilization and medicine preparation used in support of a manufacturing or production process:
- (12)  Certain recreational equipment and activities, such as fireplaces, barbecue pits and cookers, fireworks displays, and kerosene fuel use;
- (13)  Laboratory fume hoods and vents;

*For the following, attach additional pages as necessary:*

- (14) Any other emissions unit, not listed in this section, with a potential to emit less than the de minimus levels listed in COMAR 26.11.02.10X (list and describe units):



**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT No. 24-031-01124  
FACT SHEET**

No. \_\_7\_\_ oil water separator

No. \_\_1\_\_ Ethylene Oxide Sterilizer

**STATE ONLY ENFORCEABLE CONDITIONS**

**Applicable Regulations - All Emissions Units**

The Permittee is subject to the following applicable regulation:

- (1) **COMAR 26.11.06.08 – Nuisance**  
“An installation or premises may not be operated or maintained in such a manner that a nuisance or air pollution is created. Nothing in this regulation relating to the control of emissions may in any manner be construed as authorizing or permitting the creation of, or maintenance of, nuisance or air pollution.”
  
- (2) **COMAR 26.11.06.09 - Odors**  
“A person may not cause or permit the discharge into the atmosphere of gases, vapors, or odors beyond the property line in such a manner that a nuisance or air pollution is created.”

**Applicable Regulations – Diesel-fired Emergency Generators**

- (3) **COMAR 26.11.36.03 - Emergency Generators and Load Shaving Units NOx Requirements**

“A (1). The owner or operator of an emergency generator may not operate the generator except for emergencies, testing, and maintenance purposes.”

“A (5). The owner or operator of an emergency generator or load shaving unit may not operate the engine for testing and engine maintenance purposes between 12:01 a.m. and 2:00 p.m. on any day on which the Department forecasts that the air quality will be a code orange, code red, or code purple unless the engine fails a test and engine maintenance and a re-test are necessary.”

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

**SECTION I SOURCE IDENTIFICATION..... 4**

**SECTION II GENERAL CONDITIONS.....10**

1. DEFINITIONS..... 10

2. ACRONYMS..... 10

3. EFFECTIVE DATE ..... 11

4. PERMIT EXPIRATION ..... 11

5. PERMIT RENEWAL..... 11

6. CONFIDENTIAL INFORMATION ..... 12

7. PERMIT ACTIONS..... 12

8. PERMIT AVAILABILITY..... 13

9. REOPENING THE PART 70 PERMIT FOR CAUSE BY THE EPA ..... 13

10. TRANSFER OF PERMIT..... 13

11. REVISION OF PART 70 PERMITS—GENERAL CONDITIONS..... 13

12. SIGNIFICANT PART 70 OPERATING PERMIT MODIFICATIONS ..... 14

13. MINOR PERMIT MODIFICATIONS ..... 15

14. ADMINISTRATIVE PART 70 OPERATING PERMIT AMENDMENTS..... 18

15. OFF-PERMIT CHANGES TO THIS SOURCE ..... 19

16. ON-PERMIT CHANGES TO SOURCES ..... 20

17. FEE PAYMENT ..... 22

18. REQUIREMENTS FOR PERMITS TO CONSTRUCT AND APPROVALS ..... 23

19. CONSOLIDATION OF PROCEDURES FOR PUBLIC PARTICIPATION..... 23

20. PROPERTY RIGHTS ..... 24

21. SEVERABILITY ..... 24

22. INSPECTION AND ENTRY..... 24

23. DUTY TO PROVIDE INFORMATION ..... 25

24. COMPLIANCE REQUIREMENTS..... 25

25. CREDIBLE EVIDENCE ..... 26

26. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE ..... 26

27. CIRCUMVENTION..... 26

28. PERMIT SHIELD..... 27

29. ALTERNATE OPERATING SCENARIOS ..... 27

**SECTION III PLANT WIDE CONDITIONS..... 28**

1. PARTICULATE MATTER FROM CONSTRUCTION AND DEMOLITION..... 28

2. OPEN BURNING..... 28

3. AIR POLLUTION EPISODE ..... 28

4. REPORT OF EXCESS EMISSIONS AND DEVIATIONS ..... 28

5. ACCIDENTAL RELEASE PROVISIONS ..... 29

6. GENERAL TESTING REQUIREMENTS..... 30

7. EMISSIONS TEST METHODS ..... 30

8. EMISSIONS CERTIFICATION REPORT ..... 30

9. COMPLIANCE CERTIFICATION REPORT ..... 32

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

10. CERTIFICATION BY RESPONSIBLE OFFICIAL ..... 32

11. SAMPLING AND EMISSIONS TESTING RECORD KEEPING ..... 33

12. GENERAL RECORDKEEPING..... 33

13. GENERAL CONFORMITY – NOT APPLICABLE ..... 34

14. ASBESTOS PROVISIONS ..... 34

15. OZONE DEPLETING REGULATIONS ..... 34

16. ACID RAIN PERMIT – NOT APPLICABLE ..... 35

**SECTION IV PLANT SPECIFIC CONDITIONS ..... 36**

**SECTION V INSIGNIFICANT ACTIVITIES..... 82**

**SECTION VI STATE ONLY ENFORCEABLE CONDITIONS ..... 85**

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

**SECTION I SOURCE IDENTIFICATION**

**1. DESCRIPTION OF FACILITY**

Naval Support Activity Bethesda (NSAB) formerly National Naval Medical Center (NNMC) is located in Montgomery County, Maryland, approximately 10 miles north of downtown Washington, D.C. This change of ownership stemmed from the reorganization and reallocation of naval resources. Consequently, all assets and resources of the NNMC have been transferred to NSAB. The primary SIC Code for NSAB and all tenant Commands aboard the Bethesda complex is 8062, General Medical/Surgical Hospitals. Other applicable SICs include 9711, National Defense; 8071, Medical Laboratories; and 8072, Dental Laboratories.

The installations at the facility are comprised of four Cleaver Brooks industrial boilers Model DL-68-E (each rated at 67 MMBtu/hr. heat input, equipped with flue gas recirculation, and permitted to burn natural gas and No. 2 fuel oil.), located in Building # 16; one Cleaver Brooks water tube boiler Model DL-68-E rated at 71 MMBtu/hr. equipped with flue gas recirculation, and permitted to burn natural gas and No. 2 fuel oil also located in building # 16; one Aerco INN 1060 natural gas-fired water heater rated at 1.06 MMBtu/hr. heat input, permitted under the General Permit Program and located in Building # 52.

There are also the following additional installations at the facility: twenty seven (27) emergency generators of varying sizes ranging from 400 kW to 3000 kW, which are owned by the NSA Bethesda, but operated by the Navy PWC; one 10,000 gallon gasoline tank located at the government gas station, which is owned and operated by NSA Bethesda; and two 20,000 gallon gasoline tanks located at the Navy Exchange (NEX) gas station, which are owned by the NSA Bethesda; but operated by the NEX.

A description of the emission units is shown in Table 1.

**Table 1 - Emission Units Identification**

NSA Bethesda has identified the following emissions units as subject to the Title V operating permit program.

<b>MDE Registration No.</b>	<b>Emissions Unit No.</b>	<b>Emission Unit Description</b>	<b>Installation Date</b>
031-1124-5-2256	EU: 52-01C Water Heater	One Aerco INN 1060 natural gas-fired water heater rated at 1.06 MMBtu/hr. heat input.	August 2011

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

031-1124-5-1241 M	EU: 16-03B Boiler No.3	Cleaver Brooks Boiler Model DL-68E, rated at 67 MMBtu/hr heat input, equipped with flue gas recirculation (FGR) and low NOx burners, and permitted to burn natural gas and No. 2 fuel oil.	January 2002
031-1154-5-1242 M	EU: 16-04B Boiler No. 4	Cleaver Brooks Boiler Model DL-68E, rated at 67 MMBtu/hr heat input, equipped with flue gas recirculation (FGR) and low NOx burners, and permitted to burn natural gas and No. 2 fuel oil.	April 2002
031-1124-5-1263 N	EU: 16-02B Boiler No. 2	Cleaver Brooks Boiler Model DL-68E, rated at 67 MMBtu/hr heat input, equipped with flue gas recirculation (FGR) and low NOx burners, and permitted to burn natural gas and No. 2 fuel oil.	November 2002
031-1124-5-1264 N	EU: 16-01B Boiler No. 1	Cleaver Brooks Boiler Model DL-68E, rated at 67 MMBtu/hr heat input equipped with flue gas recirculation, (FGR) and low NOx burners, and permitted to burn natural gas and No. 2 fuel oil.	November 2002
031-1124-5-2233	EU: 16-05B Boiler No. 5	Cleaver Brooks Boiler Model DL-68E rated at 71 MMBtu/hr heat input, equipped with flue gas recirculation (FGR) and low NOx burner, and permitted to burn natural gas and No. fuel oil.	June 2010
031-1124-9-0804	EU: 07-01G Emergency Generator	One (1) 680 hp Caterpillar diesel engine emergency generator ID No.M03837, model number 3412 powering a Caterpillar model 3412 DIST electric generator for standby emergency backup power rated at 400 kW.	June 1982
031-1124-9-0805	EU: 53-01G Emergency Generator	One (1) 536 hp Rolls Royce model 1 diesel engine powering a Katolight model D400FRR4 electric generator for standby emergency backup power rated at 400 kW.	1988

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

031-1124-9-0806	EU: 16-01G Emergency Generator	One (1) 550 hp Cummins model VT-1710-G5 diesel engine (Serial No.10596641) powering a Cummins model 680FDR5059BDW electric generator for standby emergency backup power rated at 410 kW.	1976
031-1124-9-0807	EU: 16-02G Emergency Generator	One (1) 550 hp Cummins model VT-1710-G5 diesel engine (Serial No.10595777) powering a Cummins model 680FDR5059BDW electric generator for standby emergency backup power rated at 410 kW.	1976
031-1124-9-0811	EU: 01-01G Emergency Generator	One (1) 890 hp Caterpillar model 3412 diesel engine powering a Caterpillar model SR-4 electric generator for standby emergency backup power rated at 600 kW.	Unknown
031-1124-9-0628 N *	EU: 51A-01 UST	Gasoline service station consisting of two (2) 20,000 gallons underground gasoline storage tanks.	1995
031-1124-9-0628 N *	EU: 155-01 UST	One (1) 10,000 gallons underground storage gasoline dispensing station.	1997
031-1124-9-0949	EU: 27-01 A Emergency Generator	One (1) 1245 hp Caterpillar model C27 diesel engine powering a Caterpillar model SR4B electric generator for standby emergency backup power rated 800 kW.	November 2009
031-1124-9-0961	EU: 71B-01H Emergency Generator	One (1) 619 hp Caterpillar model C15 diesel engine (Serial No. FSE 03146) powering a Caterpillar model LC6 electric generator for standby emergency backup power rated 400 kW.	April 2010
031-1124-9-0962	EU: 72C-02 H Emergency Generator	One (1) 619 hp Caterpillar model C15 diesel engine (Serial No. FSE 03148) powering a Caterpillar model LC6 electric generator for standby emergency backup power rated 400 kW.	June 2010

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

031-1124-9-0963	EU: 55-03 H Emergency Generator	One (1) 2206 hp Caterpillar model 3512C GD diesel engine (Serial No. EBG00722) powering a Caterpillar model SR4B-GD electric generator for standby emergency backup power rated at 1500 kW.	June 2010
031-1124-9-0964	EU: 63-01G Emergency Generator	One (1) 2923 hp Cummins model QSK60-G6 diesel engine (Serial No. 75779-1005) powering a Cummins model DQKAA-AO30G129 electric generator for standby emergency backup power rated at 1750 kW.	June 2010
031-1124-9-0966	EU: 55-01 H Emergency Generator	One (1) 2206 hp Caterpillar model 3512C diesel engine (Serial No. EBG00724) powering a Caterpillar model SR4B-GD electric generator for standby emergency backup power rated at 600 kW.	June 2010
031-1124-9-0967	EU: 55-02 H Emergency Generator	One (1) 2206 hp Caterpillar model 3512C diesel engine (Serial No. EBG00723) powering a Caterpillar model SR4B-GD electric generator for standby emergency backup power rated at 600 kW.	June 2010
031-1124-9-0970	EU:51-01G Emergency Generator	One (1) 685 hp Detroit model 9DDXL14.0VLD diesel engine powering a Kohler Model 400 REOZDD electric generator for standby emergency backup power rated at 405 kW.	May 2010
031-1124-9-1008	EU: 17-01 Emergency Generator	One (1) 903 hp Volvo model TWD1643GE diesel engine powering a Kohler Model 600 REOZ electric generator for standby emergency backup power rated at 600 kW.	July 2011
031-1124-9-1009	EU: 62-02G Emergency Generator	One (1) 903 hp Volvo model TWD1643GE diesel engine powering a Kohler Model 600REOZ electric generator for standby emergency backup power rated at	July 2011

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

		600 kW.	
031-1124-9-1010	EU: 63-02H Emergency Generator	One (1) 2923 hp Cummins model QSK60-G6 diesel engine (Serial No. 6113-5) powering a Cummins model DQKAA-A040A134 electric generator for standby emergency backup power rated at 1750 kW.	July 2011
031-1124-9-0960	EU: 70A-01H Emergency Generator	One (1) 546 hp Caterpillar model C15 diesel engine powering a Caterpillar model LC6 electric generator for standby emergency backup power rated at 350 kW.	June 2010
031-1124-9-1003	EU: 44-02G Emergency Generator	One (1) 1490 hp Cummins model QST30-G5 diesel engine powering a Cummins model DQFAD-576145 electric generator for standby emergency backup power rated at 1000 kW.	August 2010
031-1124-9-1004	EU: 44-01G Emergency Generator	One (1) 1220 hp Cummins model QSK23-G7 NR2 diesel engine (Serial No. 00320155) powering a Cummins model DQCB-576141 electric generator for standby emergency backup power rated at 750 kW.	August 2010
031-1124-9-1005	EU: 47-01G Emergency Generator	One (1) 1220 hp Cummins model QSK23-G7 NR2 diesel engine (Serial No. 00320174) powering a Cummins model DQCB-576143 electric generator for standby emergency backup power rated at 750 kW.	August 2010
031-1124-9-1024	EU: 55-04H	One (1) 2206 hp Caterpillar model 3512C diesel engine (Serial No. EBG00941) powering a Caterpillar model SR4B-GD electric generator for standby emergency backup power rated at 1500 kW.	November 2011
031-1124-9-1034	EU: 16-01C	One (1) 4023 hp Caterpillar model C175 diesel engine powering a	February 2012



**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

		Cummins model SR5 electric generator for standby emergency backup power rated at 3000 kW.	
031-1124-9-1128	EU: 01-02G	One (1) 1490 hp Cummins model QST30-G5 diesel engine powering a Cummins model NHC20/QST30G5 NR2 electric generator for standby emergency backup power rated at 1038 kW.	April 2015
<sup>†</sup> 031-1124-9-1132	EU: 16-03G	One (1) 1884 hp Caterpillar model 3512 BDITA diesel engine powering a Kohler model SR4 electric generator for standby emergency backup power rated at 1275 kW.	April 2015
031-1124-9-1138	EU: 202-01H	One (1) 752 hp MTU model 10V1600 G80S diesel engine powering an electric generator for standby emergency backup power rated at 500 kW.	January 2016
031-1124-9-1140+	EU: 01-01H	One (1) 896 hp MTU model 12V1600 diesel engine powering an electric generator for standby emergency backup power rated at 600 kW.	TBD

\* The two sets of gasoline storage tanks were registered as a single tank farm and therefore have the same permit number.

+ EU: 01-01H (PTC # 031-1124-9-1140) is a permitted new unit yet to be constructed. This unit will replace existing unit EU: 01-01G.

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

**SECTION II GENERAL CONDITIONS**

**1. DEFINITIONS**

**[COMAR 26.11.01.01] and [COMAR 26.11.02.01-26]**

The words or terms in this Part 70 permit shall have the meaning established in COMAR 26.11.01 and .02 unless otherwise stated in this permit.

**2. ACRONYMS**

ARMA	Air and Radiation Management Administration
BACT	Best Available Control Technology
Btu	British Thermal Unit
CAAA	Clean Air Act (amended)
CAM	Compliance Assured Monitoring
CEM	Continuous Emission Monitor
CFR	Code of Federal Regulations
CO	Carbon Monoxide
COMAR	Code of Maryland Regulations
EPA	Environmental Protection Agency
FR	Federal Register
gr	grains
HAP	Hazardous Air Pollutant
MACT	Maximum Achievable Control Technology
MDE	Maryland Department of the Environment
NESHAPS	National Emission Standards for Hazardous Air Pollutants
NOx	Nitrogen Oxides
NSPS	New Source Performance Standards
NSR	New Source Review
OTR	Ozone Transport Region
PM	Particulate Matter
PM10	Particulate Matter with Nominal Aerodynamic Diameter of 10 micrometers or less
ppm	Parts per Million
ppb	Parts per Billion
PSD	Prevention of Significant Deterioration
PTC	Permit to Construct
PTO	Permit to Operate (State)
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SO2	Sulfur Dioxide

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

TAP	Toxic Air Pollutant
tpy	Tons Per Year
VE	Visible Emissions
VOC	Volatile Organic Compounds

**3. EFFECTIVE DATE**

The effective date of the conditions in this Part 70 permit is the date of permit issuance, unless otherwise stated in the permit.

**4. PERMIT EXPIRATION**

**[COMAR 26.11.03.01D (1)] and [COMAR 26.11.03.13B (2)]**

Upon expiration of this permit, the terms of the permit will automatically continue to remain in effect until a new Part 70 permit is issued for this facility provided that the Permittee has submitted a timely and complete application and has paid applicable fees under COMAR 26.11.02.16.

Otherwise, upon expiration of this permit the right of the Permittee to operate this facility is terminated.

**5. PERMIT RENEWAL**

**[COMAR 26.11.03.02B (3)] and [COMAR 26.11.03.02E]**

The Permittee shall submit to the Department a completed application for renewal of this Part 70 permit at least 12 months before the expiration of the permit. Upon submitting a completed application, the Permittee may continue to operate this facility pending final action by the Department on the renewal.

The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information no later than 10 days after becoming aware that this occurred. The Permittee shall also provide additional information as necessary to address any requirements that become applicable to the facility after the date a complete application was submitted, but prior to the release of a draft permit. This information shall be submitted to the Department no later than 20 days after a new requirement has been adopted.

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

**6. CONFIDENTIAL INFORMATION**

**[COMAR 26.11.02.02G]**

In accordance with the provisions of the State Government Article, Sec. 10-611 et seq., Annotated Code of Maryland, all information submitted in an application shall be considered part of the public record and available for inspection and copying, unless the Permittee claims that the information is confidential when it is submitted to the Department. At the time of the request for inspection or copying, the Department will ascertain the confidentiality of the information. The Permittee, when requesting confidentiality, shall identify the information in a manner specified by the Department and, when requested by the Department, promptly provide specific reasons supporting the claim of confidentiality. Information submitted to the Department without a request that the information be deemed confidential, may be made available to the public. Subject to approval of the Department, the Permittee may provide a summary of confidential information that is suitable for public review. The contents of this Part 70 permit are not subject to confidential treatment.

**7. PERMIT ACTIONS**

**[COMAR 26.11.03.06E (3)] and [COMAR 26.11.03.20A]**

This Part 70 permit may be revoked or reopened and revised for cause. The filing of an application by the Permittee for a permit revision or renewal; or a notification of termination, planned changes or anticipated noncompliance by the facility, does not stay a term or condition of this permit.

The Department shall reopen and revise, or revoke the Permittee's Part 70 permit under the following circumstances:

- a. Additional requirements of the Clean Air Act become applicable to this facility and the remaining permit term is 3 years or more;
- b. The Department or the EPA determines that this Part 70 permit contains a material mistake, or is based on false or inaccurate information supplied by or on the behalf of the Permittee;
- c. The Department or EPA determines that this Part 70 permit must be revised or revoked to assure compliance with applicable requirements of the Clean Air Act;  
or

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

- d. Additional requirements become applicable to an affected source under the Federal Acid Rain Program.

**8. PERMIT AVAILABILITY**

**[COMAR 26.11.02.13G]**

The Permittee shall maintain this Part 70 permit in the vicinity of the facility for which it was issued, unless it is not practical to do so, and make this permit immediately available to officials of the Department upon request.

**9. REOPENING THE PART 70 PERMIT FOR CAUSE BY THE EPA**

**[COMAR 26.11.03.20B]**

The EPA may terminate, modify, or revoke and reissue a permit for cause as prescribed in 40 CFR § 70.7(g).

**10. TRANSFER OF PERMIT**

**[COMAR 26.11.02.02E]**

The Permittee may not transfer this Title V (Part 70) permit except as provided in COMAR 26.11.03.15.

**11. REVISION OF PART 70 PERMITS—GENERAL CONDITIONS**

**[COMAR 26.11.03.14] and [COMAR 26.11.03.06A (8)]**

- a. The Permittee shall submit an application to the Department to revise a Part 70 permit when required under COMAR 26.11.03.15-.17.
- b. When applying for a revision to a Part 70 permit, the Permittee shall comply with the requirements of COMAR 26.11.03.02 and .03 except that the application for a revision need only include information listed that is related to the proposed change to the source and revision to the permit. This information shall be sufficient to evaluate the proposed change and to determine whether it will comply with all applicable requirements of the Clean Air Act.

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

- c. The Permittee may not change any provision of a compliance plan or schedule in a Part 70 permit as an administrative permit amendment or as a minor permit modification unless the change has been approved by the Department in writing.
- d. A permit revision is not required for a change that is provided for in this permit relating to approved economic incentives, marketable permits, emissions trading, and other similar programs.

**12. SIGNIFICANT PART 70 OPERATING PERMIT MODIFICATIONS**

**[COMAR 26.11.03.17]**

The Permittee may apply to the Department to make a significant modification to its Part 70 Permit as provided in COMAR 26.11.03.17 and in accordance with the following conditions:

- a. A significant modification is a revision to the federally enforceable provisions in the permit that is not an administrative or minor permit modification, as defined in COMAR 26.11.03.15 or 26.11.03.16.
- b. This permit does not preclude the Permittee from making changes, consistent with the provisions of COMAR 26.11.03.17, that would make the permit or particular terms and conditions of the permit irrelevant, such as by shutting down or reducing the level of operation of a source or of an emission unit within the source. Air pollution control equipment may not be shut down or its level of operation reduced if doing so would violate any term of this permit.
- c. Significant permit modifications are subject to all requirements of COMAR 26.11.03 as they apply to permit issuance and renewal, including the requirements for applications, public participation, and review by affected states and EPA, except:
  - (1) An application needs only to include information pertaining to the proposed change to the source and modification of this permit, including a description of the change and modification, the emissions resulting from the change and modification, and any new applicable requirements of the Clean Air Act that will apply if the change occurs;
  - (2) Public participation, and review by affected states and EPA, is limited to only the application and those federally enforceable terms and conditions of the Part 70 permit that are affected by the significant permit modification.

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

- d. As provided in COMAR 26.11.03.15B(5), an administrative permit amendment may be used to make a change that would otherwise require a significant permit modification if procedures for enhanced preconstruction review of the change are followed that satisfy the requirements of 40 CFR Sec. 70.7(d)(1)(v).
- e. Before making a change that qualifies as a significant permit modification, the Permittee shall obtain all permits to construct and approvals required by COMAR 26.11.02.
- f. The Permittee may not make a significant permit modification that results in a violation of any applicable requirement of the Clean Air Act.
- g. The permit shield in COMAR 26.11.03.23 applies to a final significant permit modification that has been issued by the Department, to the extent applicable under COMAR 26.11.03.23.

**13. MINOR PERMIT MODIFICATIONS**

**[COMAR 26.11.03.16]**

The Permittee may apply to the Department to make a minor modification to the federally enforceable provisions of this Part 70 permit as provided in COMAR 26.11.03.16 and in accordance with the following conditions:

- a. A minor permit modification is a Part 70 permit revision that:
  - (1) Does not result in a violation of any applicable requirement of the Clean Air Act;
  - (2) Does not significantly revise existing federally enforceable monitoring, including test methods, reporting, record keeping, or compliance certification requirements except by:
    - (a) Adding new requirements,
    - (b) Eliminating the requirements if they are rendered meaningless because the emissions to which the requirements apply will no longer occur, or
    - (c) Changing from one approved test method for a pollutant and source category to another;

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

- (3) Does not require or modify a:
    - (a) Case-by case determination of a federally enforceable emission standard,
    - (b) Source specific determination for temporary sources of ambient impacts, or
    - (c) Visibility or increment analysis;
  - (4) Does not seek to establish or modify a federally enforceable permit term or condition for which there is no corresponding underlying applicable requirement of the Clean Air Act, but that the Permittee has assumed to avoid an applicable requirement to which the source would otherwise be subject, including:
    - (a) A federally enforceable emission standard applied to the source pursuant to COMAR 26.11.02.03 to avoid classification as a Title I modification; and
    - (b) An alternative emission standard applied to an emissions unit pursuant to regulations promulgated under Sec. 112(i)(5) of the Clean Air Act;
  - (5) Is not a Title I modification; and
  - (6) Is not required under COMAR 26.11.03.17 to be processed as a significant modification to this Part 70 permit.
- b. Application for a Minor Permit Modification.

The Permittee may submit to the Department an application for a minor permit modification that satisfies the requirements of COMAR 26.11.03 which includes the following:

- (1) A description of the proposed change, the emissions resulting from the change, and any new applicable requirements that will apply if the change is made;
- (2) The proposed minor permit modification;



**DEPARTMENT OF THE NAVY**  
**NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)**  
**PART 70 OPERATING PERMIT**  
**PERMIT No. 24-031-01124**

- (3) Certification by a responsible official, in accordance with COMAR 26.11.02.02F that:
    - (a) The proposed change meets the criteria for a minor permit modification, and
    - (b) The Permittee has obtained or applied for all required permits to construct required by COMAR 26.11.03.16 with respect to the proposed change;
  - (4) Completed forms for the Department to use to notify the EPA and affected states, as required by COMAR 26.11.03 .07--.12.
- c. Permittee's Ability to Make Change
- (1) For changes proposed as minor permit modifications to this permit that will require the applicant to obtain a permit to construct, the permit to construct must be issued prior to the new change.
  - (2) During the period of time after the Permittee applies for a minor modification but before the Department acts in accordance with COMAR 26.11.03.16F(2):
    - (a) The Permittee shall comply with applicable requirements of the Clean Air Act related to the change and the permit terms and conditions described in the application for the minor modification.
    - (b) The Permittee is not required to comply with the terms and conditions in the permit it seeks to modify. If the Permittee fails to comply with the terms and conditions in the application during this time, the terms and conditions of both this permit and the application for modification may be enforced against it.
- d. The Permittee is subject to enforcement action if it is determined at any time that a change made under COMAR 26.11.03.16I is not within the scope of this regulation.
- e. Minor permit modification procedures may be used for the use of economic incentives, marketable permits, emissions trading, and other similar approaches, but only to the extent that the minor permit modification procedures provide as part of the Maryland SIP or other applicable requirements of the Clean Air Act.

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

**14. ADMINISTRATIVE PART 70 OPERATING PERMIT AMENDMENTS**

**[COMAR 26.11.03.15]**

The Permittee may apply to the Department to make an administrative permit amendment as provided in COMAR 26.11.03.15 and in accordance with the following conditions:

- a. An application for an administrative permit amendment shall:
  - (1) be in writing;
  - (2) include a statement certified by a responsible official that the proposed amendment meets the criteria in COMAR 26.11.03.15 for an administrative permit amendment, and
  - (3) identify those provisions of this part 70 permit for which the amendment is requested, including the basis for the request.
  
- b. An administrative permit amendment is:
  - (1) Is a correction of a typographical error;
  - (2) Identifies a change in the name, address, or phone number of a person identified in this permit, or a similar administrative change involving the Permittee or other matters which are not directly related to the control of air pollution;
  - (3) Requires more frequent monitoring or reporting by the Permittee;
  - (4) Allows for a change in ownership or operational control of a source for which the Department determines that no other revision to the permit is necessary and is documented as per COMAR 26.11.03.15B (4);
  - (5) Incorporates into this permit the requirements from preconstruction review permits or approvals issued by the Department in accordance with COMAR 26.11.03.15B (5), but only if it satisfies 40CFR70.7 (d) (1) (v);
  - (6) Incorporates any other type of change, as approved by the EPA, which is similar to those in COMAR 26.11.03.15B (1) -- (4);
  - (7) Notwithstanding COMAR 26.11.03.15B(1)--(6), administrative amendments for purposes of the acid rain portion of a Part 70 permit are

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

governed by regulations promulgated under Title IV of the Clean Air Act;  
or

- (8) Incorporates any change to a term or condition specified as State-only enforceable, if the Permittee has obtained all necessary permits to construct and approvals that apply to the change.
- c. The Permittee may make the change addressed in the application for an administrative amendment upon receipt by the Department of the application, if all permits to construct or approvals otherwise required by COMAR 26.11.02 prior to making the change have first been obtained from the Department.
- d. The permit shield in COMAR 26.11.03.23 applies to administrative permit amendments made under Sec. B (5) of COMAR 26.11.03.15, but only after the Department takes final action to revise the permit.
- e. The Permittee is subject to enforcement action if it is determined at any time that a change made under COMAR 26.11.03.15 is not within the scope of this regulation.

**15. OFF-PERMIT CHANGES TO THIS SOURCE**

**[COMAR 26.11.03.19]**

The Permittee may make off-permit changes to this facility as provided in COMAR 26.11.03.19 and in accordance with the following conditions:

- a. The Permittee may make a change to this permitted facility that is not addressed or prohibited by the federally enforceable conditions of this Part 70 permit without obtaining a Part 70 permit revision if:
  - (1) The Permittee has obtained all permits and approvals required by COMAR 26.11.02 and .03;
  - (2) The change is not subject to any requirements under Title IV of the Clean Air Act;
  - (3) The change is not a Title I modification; and
  - (4) The change does not violate an applicable requirement of the Clean Air Act or a federally enforceable term or condition of the permit.

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

- b. For a change that qualifies under COMAR 26.11.03.19, the Permittee shall provide contemporaneous written notice to the Department and the EPA, except for a change to an emissions unit or activity that is exempt from the Part 70 permit application, as provided in COMAR 26.11.03.04. This written notice shall describe the change, including the date it was made, any change in emissions, including the pollutants emitted, and any new applicable requirements of the Clean Air Act that apply as a result of the change.
- c. Upon satisfying the requirements of COMAR 26.11.03.19, the Permittee may make the proposed change.
- d. The Permittee shall keep a record describing:
  - (1) Changes made at the facility that result in emissions of a regulated air pollutant subject to an applicable requirement of the Clean Air Act, but not otherwise regulated under this permit; and
  - (2) The emissions resulting from those changes.
- e. Changes that qualify under COMAR 26.11.03.19 are not subject to the requirements for Part 70 revisions.
- f. The Permittee shall include each off-permit change under COMAR 26.11.03.19 in the application for renewal of the Part 70 permit.
- g. The permit shield in COMAR 26.11.03.23 does not apply to off-permit changes made under COMAR 26.11.03.19.
- h. The Permittee is subject to enforcement action if it is determined that an off-permit change made under COMAR 26.11.03.19 is not within the scope of this regulation.

**16. ON-PERMIT CHANGES TO SOURCES**

**[COMAR 26.11.03.18]**

The Permittee may make on-permit changes that are allowed under Section 502(b) (10) of the Clean Air Act as provided in COMAR 26.11.03.18 and in accordance with the following conditions:

**DEPARTMENT OF THE NAVY**  
**NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)**  
**PART 70 OPERATING PERMIT**  
**PERMIT No. 24-031-01124**

- a. The Permittee may make a change to this facility without obtaining a revision to this Part 70 permit, although the change would violate the federally enforceable conditions of the Part 70 permit, if:
- (1) The change is not a Title I modification;
  - (2) The change does not result in emissions in excess of those expressly allowed under the federally enforceable provisions of this Part 70 permit for the permitted facility or for an emissions unit within the facility, whether expressed as a rate of emissions or in terms of total emissions;
  - (3) The Permittee has obtained all permits and approvals required by COMAR 26.11.02 and .03;
  - (4) The change does not violate an applicable requirement of the Clean Air Act;
  - (5) The change does not violate a federally enforceable permit term or condition related to monitoring, including test methods, record keeping, reporting, or compliance certification requirements;
  - (6) The change does not violate a federally enforceable permit term or condition limiting hours of operation, work practices, fuel usage, raw material usage, or production levels if the term or condition has been established to limit emissions allowable under this permit;
  - (7) If applicable, the change does not modify a federally enforceable provision of a compliance plan or schedule in this Part 70 permit unless the Department has approved the change in writing; and
  - (8) This permit does not expressly prohibit the change under COMAR 26.11.03.18.
- b. The Permittee shall notify the Department and the EPA in writing of a proposed on-permit change under COMAR 26.11.03.18 not later than 7 days before the change is made. The written information shall include the following information:
- (1) A description of the proposed change;
  - (2) The date on which the change is proposed to be made;
  - (3) Any change in emissions resulting from the change, including the pollutants emitted;

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

- (4) Any new applicable requirement of the Clean Air Act; and
- (5) Any permit term or condition that would no longer apply.
- c. The responsible official of this facility shall certify in accordance with COMAR 26.11.02.02F that the proposed change meets the criteria for the use of on-permit changes under COMAR 26.11.03.18.
- d. The Permittee shall attach a copy of each notice required by condition b. above to this Part 70 permit.
- e. On-permit changes that qualify under COMAR 26.11.03.18 are not subject to the requirements for Part 70 permit revisions.
- f. Upon satisfying the requirements under COMAR 26.11.03.18, the Permittee may make the proposed change.
- g. The permit shield in COMAR 26.11.03.23 does not apply to on-permit changes under COMAR 26.11.03.18.
- h. The Permittee is subject to enforcement action if it is determined that an on-permit change made under COMAR 26.11.03.18 is not within the scope of the regulation or violates any requirement of the State air pollution control law.

**17. FEE PAYMENT**

**[COMAR 26.11.02.16A (2) & (5) (b)]**

- a. The fee for this Part 70 permit is as prescribed in Regulation .19 of COMAR 26.11.02.
- b. The fee is due on and shall be paid on or before each 12-month anniversary date of the permit.
- c. Failure to pay the annual permit fee constitutes cause for revocation of the permit by the Department.

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

**18. REQUIREMENTS FOR PERMITS TO CONSTRUCT AND APPROVALS**

**[COMAR 26.11.02.09]**

The Permittee may not construct or modify or cause to be constructed or modified any of the following sources without first obtaining, and having in current effect, the specified permits to construct and approvals:

- a. New Source Review source, as defined in COMAR 26.11.01.01, approval;
- b. Prevention of Significant Deterioration source, as defined in COMAR 26.11.01.01, approval;
- c. New Source Performance Standard source, as defined in COMAR 26.11.01.01, permit to construct;
- d. National Emission Standards for Hazardous Air Pollutants source, as defined in COMAR 26.11.01.01, permit to construct;
- e. A stationary source of lead that discharges one ton per year or more of lead or lead compounds measured as elemental lead, permit to construct;
- f. All stationary sources of air pollution, including installations and air pollution control equipment, except as listed in COMAR 26.11.02.10, permit to construct.
- g. In the event of a conflict between the applicability of (a-e) above and an exemption listed in COMAR 26.11.02.10, the provision that requires a permit applies.
- h. Approval of a PSD or NSR source by the Department does not relieve the Permittee obtaining an approval from also obtaining all permits to construct required by (c-g) above.

**19. CONSOLIDATION OF PROCEDURES FOR PUBLIC PARTICIPATION**

**[COMAR 26.11.02.11C] and [COMAR 26.11.03.01K]**

The Permittee may request the Department to authorize special procedures for the Permittee to apply simultaneously, to the extent possible, for a permit to construct and a revision to this permit.

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

These procedures may provide for combined public notices, informational meetings, and public hearings for both permits but may not adversely affect the rights of a person, including EPA and affected states, to obtain information about the application for a permit, to comment on an application, or to challenge a permit that is issued.

These procedures may not alter any existing permit procedures or time frames.

**20. PROPERTY RIGHTS**

**[COMAR 26.11.03.06E (4)]**

This Part 70 permit does not convey any property rights of any sort, or any exclusive privileges.

**21. SEVERABILITY**

**[COMAR 26.11.03.06A (5)]**

If any portion of this Part 70 permit is challenged, or any term or condition deemed unenforceable, the remainder of the requirements of the permit continue to be valid.

**22. INSPECTION AND ENTRY**

**[COMAR 26.11.03.06G (3)]**

The Permittee shall allow employees and authorized representatives of the Department, the EPA, and the local Health Department, upon presentation of credentials or other documents as may be required by law, to:

- a. Enter at a reasonable time without delay and without prior notification the Permittee's property where a Part 70 source is located, emissions-related activity is conducted, or records required by this permit are kept;
- b. Have access to and make copies of records required by the permit;



**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

- c. Inspect all emissions units within the facility subject to the permit and all related monitoring systems, air pollution control equipment, and practices or operations regulated or required by the permit; and
- d. Sample or monitor any substances or parameters at or related to the emissions units at the facility for the purpose of determining compliance with the permit.

**23. DUTY TO PROVIDE INFORMATION**

**[COMAR 26.11.03.06E (5)]**

The Permittee shall furnish to the Department, within a reasonable time specified by the Department, information requested in writing by the Department in order to determine whether the Permittee is in compliance with the federally enforceable conditions of this Part 70 permit, or whether cause exists for revising or revoking the permit. Upon request, the Permittee shall also furnish to the Department records required to be kept under the permit. For information claimed by the Permittee to be confidential and therefore potentially not discloseable to the public, the Department may require the Permittee to provide a copy of the records directly to the EPA along with a claim of confidentiality.

The Permittee shall also furnish to the Department, within a reasonable time specified by the Department, information or records requested in writing by the Department in order to determine if the Permittee is in compliance with the State-only enforceable conditions of this permit.

**24. COMPLIANCE REQUIREMENTS**

**[COMAR 26.11.03.06.E (1)], [COMAR 26.11.03.06A (11)] and  
[COMAR 26.11.02.05]**

The Permittee shall comply with the conditions of this Part 70 permit. Noncompliance with the permit constitutes a violation of the Clean Air Act, and/or the Environmental Article Title 2 of the Annotated Code of Maryland and may subject the Permittee to:

- a. Enforcement action,
- b. Permit revocation or revision,
- c. Denial of the renewal of a Part 70 permit, or

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

- d. Any combination of these actions.

The conditions in this Part 70 permit are enforceable by EPA and citizens under the Clean Air Act except for the State-only enforceable conditions.

Under Environmental Article Sec. 2-609, Annotated Code of Maryland, the Department may seek immediate injunctive relief against a person who violates this permit in such a manner as to cause a threat to human health or the environment.

**25. CREDIBLE EVIDENCE**

Nothing in this permit shall be interpreted to preclude the use of credible evidence to demonstrate noncompliance with any term of this permit.

**26. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE**

**[COMAR 26.11.03.06E (2)]**

The need to halt or reduce activity in order to comply with the conditions of this permit may not be used as a defense in an enforcement action.

**27. CIRCUMVENTION**

**[COMAR 26.11.01.06]**

The Permittee may not install or use any article, machine, equipment or other contrivance, the use of which, without resulting in a reduction in the total weight of emissions, conceals or dilutes an emission which would otherwise constitute a violation of any applicable air pollution control regulation.

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

**28. PERMIT SHIELD**

**[COMAR 26.11.03.23]**

A permit shield as described in COMAR 26.11.03.23 shall only apply to terms and conditions in this Part 70 permit that have been specifically identified as covered by the permit shield. Neither this permit nor COMAR 26.11.03.23 alters the following:

- a. The emergency order provisions in Sec. 303 of the Clean Air Act, including the authority of EPA under that section;
- b. The liability of the Permittee for a violation of an applicable requirement of the Clean Air Act before or when this permit is issued or for a violation that continues after issuance;
- c. The requirements of the Acid Rain Program, consistent with Sec. 408 (a) of the Clean Air Act;
- d. The ability of the Department or EPA to obtain information from a source pursuant to Maryland law and Sec. 114 of the Clean Air Act; or
- f. The authority of the Department to enforce an applicable requirement of the State air pollution control law that is not an applicable requirement of the Clean Air Act.

**29. ALTERNATE OPERATING SCENARIOS**

**[COMAR 26.11.03.06A (9)]**

For all alternate operating scenarios approved by the Department and contained within this permit, the Permittee, while changing from one approved scenario to another, shall contemporaneously record in a log maintained at the facility each scenario under which the emissions unit is operating and the date and time the scenario started and ended.

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

**SECTION III PLANT WIDE CONDITIONS**

**1. PARTICULATE MATTER FROM CONSTRUCTION AND DEMOLITION**

**[COMAR 26.11.06.03D]**

The Permittee shall not cause or permit any building, its appurtenances, or a road to be used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne.

**2. OPEN BURNING**

**[COMAR 26.11.07]**

Except as provided in COMAR 26.11.07.04, the Permittee may not cause or permit an open fire from June 1 through August 31 of any calendar year. Prior to any open burning, the Permittee must request and receive approval from the Department.

**3. AIR POLLUTION EPISODE**

**[COMAR 26.11.05.04]**

When requested by the Department, the Permittee shall prepare in writing standby emissions reduction plans, consistent with good industrial practice and safe operating procedures, for reducing emissions creating air pollution during periods of Alert, Warning, and Emergency of an air pollution episode.

**4. REPORT OF EXCESS EMISSIONS AND DEVIATIONS**

**[COMAR 26.11.01.07] and [COMAR 26.11.03.06C (7)]**

The Permittee shall comply with the following conditions for occurrences of excess emissions and deviations from requirements of this permit including the State-only enforceable section:

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

- a. Report any deviation from permit requirements that could endanger human health or the environment, by orally notifying the Department immediately upon discovery of the deviation;
- b. Promptly report all occurrences of excess emissions that are expected to last for one hour or longer by orally notifying the Department of the onset and termination of the occurrence;
- c. When requested by the Department the Permittee shall report all deviations from permit conditions, including those attributable to malfunctions as defined in COMAR 26.11.01.07A, within 5 days of the request by submitting a written description of the deviation to the Department. The written report must include the cause, dates and times of the onset and termination of the deviation, as well as the action planned or taken to reduce, eliminate, and prevent the recurrence of the deviation;
- d. All instances of deviations from permit requirements should be clearly identified in quarterly monitoring reports required by this permit. If quarterly monitoring reports are not required, the Permittee shall submit a report to the Department summarizing all instances of deviations from permit requirements for quarters in which deviations occurred. The reports are due no later than 30 days after the end of the relevant quarter.
- e. When requested by the Department, the Permittee shall submit a written report to the Department within 10 days of receiving the request concerning an occurrence of excess emissions. The report shall contain the information required in COMAR 26.11.01.07D (2).

**5. ACCIDENTAL RELEASE PROVISIONS**

**[COMAR 26.11.03.03B (23)] and [40 CFR Part 68]**

Should the Permittee, as defined in 40 CFR Part 68.3, become subject to 40 CFR Part 68 during the term of this permit, the owner or operator shall submit a risk management plan by the date specified in 40 CFR Part 68.10 and shall certify compliance with the requirements of 40 CFR Part 68 as part of the annual compliance certification as required by 40 CFR Part 70.

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

**6. GENERAL TESTING REQUIREMENTS**

**[COMAR 26.11.01.04]**

The Department may require the Permittee to conduct, or have conducted, testing to determine compliance with this Part 70 permit. The Department, at its option, may witness or conduct these tests. This testing shall be done at a reasonable time, and all information gathered during a testing operation will be provided to the Department.

**7. EMISSIONS TEST METHODS**

**[COMAR 26.11.01.05]**

Compliance with the emissions standards and limitations in this Part 70 permit shall be determined by the test methods designated and described below or other test methods submitted to and approved by the Department.

Reference documents of the test methods approved by the Department include the following:

- a. 40 CFR Part 60, appendix A
- b. 40 CFR Part 51, appendix M
- c. The Department's Technical Memorandum 91-01 "Test Methods and Equipment Specifications for Stationary Sources", (January 1991), as amended through Supplement 2, (July 1, 1992).

**8. EMISSIONS CERTIFICATION REPORT**

**[COMAR 26.11.02.19C] and [COMAR 26.11.02.19D]**

The Permittee shall certify actual annual emissions of regulated pollutants from the facility on a calendar year basis.

- a. The certification shall be on a form obtained from the Department and submitted to the Department not later than April 1 of the year following the year for which the certification is required;

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

- b. The individual making the certification shall certify that the information is accurate to the individual's best knowledge. The individual shall be:
  - (1) Familiar with each source for which the certification form is submitted, and
  - (2) Responsible for the accuracy of the emission information;
  
- c. The Permittee shall maintain records necessary to support the emission certification including the following information if applicable:
  - (1) The total amount of actual emissions of each regulated pollutant and the total of all regulated pollutants;
  - (2) An explanation of the methods used to quantify the emissions and the operating schedules and production data that were used to determine emissions, including significant assumptions made;
  - (3) Amounts, types, and analyses of all fuels used;
  - (4) Emission data from continuous emission monitors that are required by this permit, including monitor calibration and malfunction information;
  - (5) Identification, description, and use records of all air pollution control equipment and compliance monitoring equipment including:
    - (a) Significant maintenance performed,
    - (b) Malfunctions and downtime, and
    - (c) Episodes of reduced efficiency of all the equipment;
  - (6) Limitations on source operation or any work practice standards that significantly affect emissions; and
  - (7) Other relevant information as required by the Department.

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

**9. COMPLIANCE CERTIFICATION REPORT**

**[COMAR 26.11.03.06C (6) and (7)]**

The Permittee shall submit to the Department and EPA Region III a report certifying compliance with each term of this Part 70 permit including each applicable standard, emission limitation, and work practice by April 1 of each year.

- a. The compliance certification shall include:
  - (1) The identification of each term or condition of this permit which is the basis of the certification;
  - (2) The compliance status;
  - (3) Whether the compliance was continuous or intermittent;
  - (4) The methods used for determining the compliance of the source, currently and over the reporting period; and
  - (5) Any other information required to be reported to the Department that is necessary to determine the compliance status of the Permittee with this permit.
- b. The Permittee shall submit the compliance certification reports to the Department and EPA simultaneously.

**10. CERTIFICATION BY RESPONSIBLE OFFICIAL**

**[COMAR 26.11.02.02F]**

All application forms, reports, and compliance certifications submitted pursuant this permit shall be certified by a responsible official as to truth, accuracy, and completeness. The Permittee shall expeditiously notify the Department of an appointment of a new responsible official.

The certification shall be in the following form:



**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

**11. SAMPLING AND EMISSIONS TESTING RECORD KEEPING**

**[COMAR 26.11.03.06A (5)]**

The Permittee shall gather and retain the following information when sampling and testing for compliance demonstrations:

- a. The location as specified in this permit, and the date and time that samples and measurements are taken;
- b. All pertinent operating conditions existing at the time that samples and measurements are taken;
- c. The date that each analysis of a sample or emissions test is performed and the name of the person taking the sample or performing the emissions test;
- d. The identity of the Permittee, individual, or other entity that performed the analysis;
- e. The analytical techniques and methods used; and
- f. The results of each analysis.

**12. GENERAL RECORDKEEPING**

**[COMAR 26.11.03.06]**

The Permittee shall retain records of all monitoring data and support information that supports the compliance certification for a period of five years from the date that the

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

monitoring sample, measurement, application, report or emissions test was completed or submitted to the Department.

These records and support information shall include:

- a. All calibration and maintenance records;
- b. All original strip-chart recordings for continuous monitoring instrumentation;
- c. Records which support the annual emissions certification; and
- d. Copies of all reports required by this permit.

**13. GENERAL CONFORMITY – Not applicable**

**[COMAR 26.11.26.03]**

The Permittee shall comply with the general conformity requirements of 40 CFR Part 93, Subpart B and COMAR 26.11.26.03.

**14. ASBESTOS PROVISIONS**

**[40 CFR Part 61, Subpart M]**

The Permittee shall comply with 40 CFR Part 61, Subpart M when conducting any renovation or demolition activities at the facility.

**15. OZONE DEPLETING REGULATIONS**

**[40 CFR Part 82, Subpart F]**

The Permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in subpart B:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the prohibitions and required practices pursuant to §§ 82.154 and 82.156.

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

- b. Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158.
  - c. Persons performing maintenance, service, repairs or disposal of appliances must be certified by an approved technician certification program pursuant to §82.161.
  - d. Persons performing maintenance, service, repairs or disposal of appliances must certify with the Administrator pursuant to §82.162.
  - e. Persons disposing of small appliances, MVACS, and MVAC-like appliances as defined in §82.152, must comply with recordkeeping requirements pursuant to §82.166.
  - f. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to §82.156.
  - g. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166
- 16. ACID RAIN PERMIT – Not applicable**

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

**SECTION IV PLANT SPECIFIC CONDITIONS**

This section is comprised of tables containing the emissions standards, emissions limitations and work practices applicable to each emissions unit located at this facility. The Permittee shall comply with all applicable emissions standards, emissions limitations and work practices contained herein.

These tables also list testing, monitoring, record keeping and reporting requirements specific to each emissions unit. In addition to the requirements listed in **Section IV**, the Permittee is subject to the general testing, monitoring, record keeping and reporting requirements contained in **Section III, Plant Wide Conditions** of this permit.

<b>Table IV- 1</b>	
<b>1.0</b>	<p><b>Emission Unit Number (s)</b>  <b>EU: 52-01C - One Aerco INN 1060 natural gas-fired water heater rated at 1.06 MMBtu/hr. heat input.</b></p>
<b>1.1</b>	<p><b><u>Applicable Standards/Limits:</u></b></p> <p><b>A. <u>Visible Emissions Limitation</u></b></p> <p><b>COMAR 26.11.09.05A (2) <u>Areas III and IV.</u></b> “In Areas III and IV, a person may not cause or permit the discharge of emissions from any fuel burning equipment, other than water in an uncombined form, which is visible to human observers except that, for the purpose of demonstrating compliance using COM data, emissions that are visible to a human observer are those that are equal to or greater than 10 percent opacity.”</p> <p>Exceptions. <b>COMAR 26.11.09.05A(3)</b> – “Section A(1) and (2) of this regulation do not apply to emissions during load changing, soot blowing, startup, or adjustments or occasional cleaning of control equipment if:</p> <p style="margin-left: 40px;">(a) The visible emissions are not greater than 40 percent opacity; and                  (b) The visible emissions do not occur for more than 6 consecutive minutes in any sixty minute period.”</p> <p><b>B. <u>NOx RACT - COMAR 26.11.09.08</u></b></p> <p>(1) <b>COMAR 26.11.09.08E</b> - Requirements for Fuel-Burning Equipment with a Rated Heat Input Capacity of 100 Million Btu Per Hour or Less.</p> <p>“A person who owns or operates fuel-burning equipment with a rated heat input capacity of 100 Million Btu per hour or less shall:</p> <p style="margin-left: 40px;">(a) Submit to the Department an identification of each affected installation, the rated heat input capacity of each installation, and the type of fuel burned in each;                  (b) Perform a combustion analysis for each installation at least once each year and</p>

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

	<p>optimize combustion based on the analysis;</p> <p>(c) Maintain the results of the combustion analysis at the site for at least 2 years and make this data available to the Department and the EPA upon request;</p> <p>(d) Once every 3 years, require each operator of the installation to attend operator training programs on combustion optimization that are sponsored by the Department, the EPA, or equipment vendors; and</p> <p>(e) Prepare and maintain a record of training program attendance for each operator at the site, and make these records available to the Department upon request.”</p> <p>(2) <b>COMAR 26.11.09.08B (5) - Operator Training.</b></p> <p>(a) <b>COMAR 26.11.09.08B (5) (a)</b> states that” for purposes of this regulation, the equipment operator to be trained may be the person who maintains the equipment and makes the necessary adjustments for efficient operation” and</p> <p>(b) <b>COMAR 26.11.09.08B (5) (b)</b> states that “the operator-training course sponsored by the Department shall include an in-house training course that is approved by the Department.”</p> <p><b>C. <u>Operational Requirement</u></b> The Permittee shall only burn natural gas in the unit unless the Permittee applies for and receives an approval or permit from the Department to burn an alternate fuel <b>[Authority: COMAR 26.11.02.09A].</b></p>
1.2	<p><b><u>Testing Requirements:</u></b></p> <p>A. See recordkeeping and reporting requirements</p> <p>B. See monitoring requirements</p> <p>C. See recordkeeping and reporting requirements</p>
1.3	<p><b><u>Monitoring Requirements:</u></b></p> <p>A. See recordkeeping and reporting requirements</p> <p>B. (1) (b). The Permittee shall perform a combustion analysis for each installation at least once each year and optimize combustion based on the analysis. <b>[Authority: COMAR 26.11.09.08E (2)].</b></p> <p>C. See recordkeeping and reporting</p>
1.4	<p><b><u>Record Keeping Requirements</u></b></p> <p><b>Note:</b> Title 5 requires all records to be maintained for at least five years.</p> <p>A. The Permittee shall maintain records of incidents of visible emissions on site for at least five years <b>[Authority: COMAR 26.11.03.06C].</b></p> <p>B. (1) The Permittee shall maintain the results of the combustion analysis at the site for at least 2 years and make the results available to the Department upon request. <b>[Authority: COMAR 26.11.09.08E (1) (c)].</b></p> <p>(2) The Permittee shall prepare and maintain a record of training program attendance for each operator at the site and make the record available to the</p>

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

	<p>Department upon request. <b>[Authority: COMAR 26.11.09.08E (1) (e).</b></p> <p>(3) The Permittee shall maintain annual fuel use records on site for at least three years and make the records available to the Department upon request.</p> <p>Note: Retention of records of all monitoring data and support information is for a period of five years or longer, as specified by the Department, from the date of the monitoring sample, measurement, application, or report. <b>[Authority: COMAR 26.11.09.08 K (3) and COMAR 26.11.03.06C].</b></p> <p>C. The Permittee shall maintain records of the fuels utilized at the installation for at least five years and make the records available to the Department upon request. <b>[Authority: COMAR 26.11.03.06C].</b></p>
1.5	<p><b><u>Reporting Requirements:</u></b></p> <p>A. The Permittee shall report incidents of the occurrences of visible emissions in accordance with permit condition 4, Section III, Plant Wide Conditions, “Report of Excess Emissions and Deviations <b>[Authority: COMAR 26.11.03.06C].</b></p> <p>B. (1) The Permittee shall make the result of the combustion analysis available to the Department upon request. <b>[Authority: COMAR 26.11.03.06C].</b></p> <p>(2) The Permittee shall make records of training program attendance for each operator available to the Department upon request <b>[Authority: COMAR 26.11.03.06C].</b></p> <p>(3) The Permittee shall make annual fuel use records available to the Department upon request <b>[Authority: COMAR 26.11.09.08 K (3)].</b></p> <p>C. The Permittee shall submit an annual emissions certification report (Permit Condition 8 of Section III, Plant Wide Conditions "Emissions Certification Report"). The annual certification report shall contain the type, quantities, and analyses of all fuels burned <b>[Authority: COMAR 26.11.02.19D].</b></p>

A Permit Shield shall cover the applicable requirements identified for the emissions units listed in the table above.

<b>Table IV- 2</b>	
2.0	<p><b>Emissions Unit (Number(s))</b></p> <p><b>EU: 16-01B through 16-04B – Four Cleaver Brooks natural gas/fuel oil-fired boilers Model DL-68E each rated at 67 MMBtu/hr. heat input and equipped with low NOx burner and flue gas recirculation.</b></p> <p>These boilers are subject to the requirements of the New Source Performance Standard (NSPS) for Small Industrial-Commercial–Institutional Steam Generalizing Units (40 CFR Part 60, Subpart Dc) because the boilers were installed after June 9, 1989. These boilers are deemed existing sources under the National Emission Standard for Hazardous Air pollutant (NESHAPs) for Industrial, Commercial, Institutional Boilers at Area Sources (40 CFR Part 63, Subpart JJJJJ) because construction or reconstruction of these units commenced before June 4, 2010. They are therefore subject to the requirements of the subpart. However, the</p>

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

	<p>boilers are exempted from these requirements provided NSAB continues to restrict the use of fuel oil in these boilers to periods of natural gas curtailments as specified under §63.11195e, and in effect operate these boilers as gas fired boilers. The subpart defines a gas-fired boiler to “include any boiler that burns gaseous fuels not combined with any solid fuels and burns liquid fuel only during periods of gas curtailment, gas supply interruption, startups, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.” [Reference: § 63.11195(e) and § 63.112374].</p> <p>If at a later date, NSAB decides to combust fuel-oil other than periods of natural gas curtailment, it would have 180 days to comply with the requirements of the subpart. [Reference: § 63.11210(h)]. NSAB shall submit with the annual emissions certification report supporting documentation, which required the curtailment of natural gas.</p>
<p><b>2.1</b></p>	<p><b><u>Applicable Regulation/limits</u></b></p> <p><b>A. <u>Control of Sulfur Oxides</u></b></p> <p>(1) <b>COMAR 26.11.09.07A (2) (b)</b> “In Areas III and IV - Sulfur Content Limitations for Fuel. A person may not burn, sell, or make available for sale any fuel with a sulfur content by weight in excess of or which otherwise exceeds 0.3 percent by weight.”</p> <p>(2) <b>40 CFR 60.42c</b> - Standard for sulfur dioxide (SO<sub>2</sub>)</p> <p>“(d) On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that combusts oil shall cause to be discharged into the atmosphere from that affected facility any gases that contain SO<sub>2</sub> in excess of 215 ng/J (0.50 lb/MMBtu) heat input; or, as an alternative, no owner or operator of an affected facility that combusts oil shall combust oil in the affected facility that contains greater than 0.5 weight percent sulfur. The percent reduction requirements are not applicable to affected facilities under this paragraph.”</p> <p>“(h) For affected facilities listed under paragraphs (h)(1), (2), or (3) of this section, compliance with the emission limits or fuel oil sulfur limits under this section may be determined based on a certification from the fuel supplier, as described under §60.48c(f), as applicable.</p> <p>(1) Distillate oil-fired affected facilities with heat input capacities between 2.9 and 29 MW (10 and 100 MMBtu/hr).”</p> <p>“(i) The SO<sub>2</sub> emission limits, fuel oil sulfur limits, and percent reduction requirements under this section apply at all times, including periods of startup, shutdown, and malfunction.”</p>

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

**Note:** Compliance with COMAR 26.11.09.07A (2) (b) will constitute compliance with 40 CFR 60.42c. .

**B. Control of Visible Emissions**

- (1) **COMAR 26.11.09.05A (2) - Visible Emissions** - Areas III and IV. “In Areas III and IV, a person may not cause or permit the discharge of emissions from any fuel burning equipment, other than water in an uncombined form, which is visible to human observers except that, for the purpose of demonstrating compliance using COM data, emissions that are visible to a human observer are those that are equal to or greater than 10 percent opacity.”

Exceptions. **COMAR 26.11.09.05A(3)** “Section A (1) and (2) of this regulation do not apply to emissions during load changing, soot blowing, startup, or adjustments or occasional cleaning of control equipment if:

- (1) The visible emissions are not greater than 40 percent opacity; and
- (2) The visible emissions do not occur for more than 6 consecutive minutes in any sixty minute period.”

- (2) **40 CFR 60.43c Subpart Dc,**

“(c) On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that combusts coal, wood, or oil and has a heat input capacity of 8.7 MW (30 MMBtu/hr) or greater shall cause to be discharged into the atmosphere from that affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.”

“(d) The PM and opacity standards under this section apply at all times, except during periods of startup, shutdown, or malfunction.”

**Note:** Compliance with COMAR 26.11.09.05A (2) will constitute compliance with 40 CFR 60.43.c.

**C. Control of NOx Emissions**

- (1) **Permit to Construct 031-5-1241-1242 M and 031-5-1263-1264 N** which requires the Permittee to ensure that:
- (a) The NOx emissions from the boilers are limited to 0.036 lb per MMBtu of heat input when burning natural gas and 0.1 lb per MMBtu of heat input when burning No. 2 fuel oil.
  - (b) The combined NOx emissions from the four Cleaver Brooks boilers are less than 50 tons for any rolling 12-month period unless the source applies for and



**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

	<p>obtains a New Source Review approval</p> <p>(c) The operation of the Cleaver Brooks boilers, when burning No. 2 fuel-oil is limited to 1.6 million gallons per year for any 12 month rolling period, in order to maintain a synthetic minor status, unless the Permittee can demonstrate to the satisfaction of the Department that operating beyond this limit will not result in NOx emissions equal to or greater than 50 tons on a rolling 12 month basis.</p> <p>If the supply of natural gas is interrupted such that the quantity of distillate fuel oil burned needs to be increased and will exceed the 1.6 million gallons limitation, the Permittee shall notify the Department of the situation and request approval to burn additional distillate fuel oil. Upon approval from the Department, the Permittee may exceed the 1.6 million gallons limitation, but the 50 tons NOx emissions limitation shall not be exceeded.</p> <p>(2) <b><u>NOx RACT- General Requirement and Conditions</u></b>  <b>COMAR 26.11.09.08B (1)</b> - The Permittee or operator of a source with a potential to emit 25 tons or more of NOx shall comply with the NOx emissions standard set forth in COMAR 26.11.09.08 B (1)(c) which is 0.25 lb of NOx per MMBtu of heat input [<b>Authority: Permit to Construct No. 031-5-1241 -1242 M and 031-5-1263-1264 N</b>].</p> <p><b>Note:</b> The Permittee may use the same compliance demonstration strategy for demonstrating compliance with the mass emission rates of the applicable requirement “C (1) (a)” as a basis for demonstrating compliance with the NOx RACT standard in “C(2)”.</p> <p><b>D. <u>Operational Requirement</u></b>  <b>Permit-to-Construct Nos. 031-5-1241-1242 M and 031-5-1263-1264 N</b> limits fuel use in boilers No. EU: 16-01B – EU: 16 - 04B to natural gas and No. 2 fuel oil only.</p>
2.2	<p><b><u>Testing Requirements:</u></b> [<b>Authority: COMAR 26.11.03.06C</b>].</p> <p><b>A.</b> See monitoring</p> <p><b>B.</b> See monitoring</p> <p><b>C.</b> (1) (a) The Permittee shall perform calibration checks and QA/QC procedures on the portable NOx analyzer as recommended by the analyzer manufacturer.</p> <p style="padding-left: 40px;">(b) See monitoring</p> <p style="padding-left: 40px;">(c) See record keeping</p> <p>(2) See C (1) (a) above. Perform calibration checks and QA/QC procedures on the portable NOx analyzer as recommended by the analyzer manufacturer.</p> <p>(3) See record keeping.</p>

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

	<p><b>D.</b> See recordkeeping and reporting</p>
<p><b>2.3</b></p>	<p><b><u>Monitoring Requirements:</u></b> The Permittee shall:</p> <p><b>A.</b> Obtain fuel supplier’s certification, which includes the name of the oil supplier and statement from the fuel supplier that the distillate fuel oil complies with the limitation of 0.3 % by weight of the sulfur content in the fuel oil. [<b>Authority: COMAR 26.11.03.06C</b>] and [<b>40 CFR Part 60.48c (f) (1)</b>].</p> <p><b>B.</b></p> <ul style="list-style-type: none"> <li>(1) Properly operate and maintain the boilers;</li> <li>(2) Maintain an operations manual and preventive maintenance plan; and</li> <li>(3) Verify no visible emissions when burning #2 fuel-oil. An observer shall perform a visual observation of stack emissions for a 6-minute period at least once for every 168 hours that the boiler burns oil. If a boiler operates on oil for less than 168 hours in a calendar year, the visual observation requirement for that calendar year is waived.</li> <li>(4) Perform the following if emissions are visible to human observer. <ul style="list-style-type: none"> <li>(a) Inspect combustion control system and boiler operations.</li> <li>(b) Perform all necessary adjustments and/or repairs to the boiler within 48 hours so that visible emissions are eliminated;</li> <li>(c) Document in writing the results of the inspections, adjustments and/or repairs to the boiler; and</li> <li>(d) After 48 hours, if the required adjustments and/or repairs had not eliminated the visible emissions, perform a Method 9 observation once daily for 18 minutes until corrective action has eliminated the visible emissions. [<b>Authority: COMAR 26.11.03.06C</b>].</li> </ul> </li> </ul> <p><b>C.</b></p> <ul style="list-style-type: none"> <li>(1) (a) Use a NOx analyzer to check and record the NOx emissions in the exhaust gases from the boilers for 15 minutes for every 168 hours of operation of each boiler, on a calendar quarter basis. To verify that the boilers are being operated in a consistent manner with the most recent stack tests, the Permittee shall continuously monitor the excess oxygen in the exhaust gases. [<b>Authority: COMAR 26.11.03.06C</b>].</li> <li>(b) Calculate, at the end of each calendar month, the NOx emissions from the boilers for the prior rolling twelve month period.</li> <li>(c) See record keeping [<b>Authority: COMAR 26.11.03.06C</b>].</li> <li>(2) See C (1) (a) above [<b>Authority: COMAR 26.11.03.06C</b>].</li> <li>(3) See record keeping.</li> </ul> <p><b>D.</b> See recordkeeping and reporting</p>
<p><b>2.4</b></p>	<p><b><u>Record Keeping Requirements</u></b> [<b>Authority: COMAR 26.11.03.06C</b>]:</p>

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

	<p>The Permittee shall:</p> <p><b>A.</b> Maintain records of fuel supplier’s certification for 5 years. [<b>Authority: COMAR 26.11.03.06C</b>] and [<b>40 CFR Part 60.48c(g)</b>]</p> <p><b>B.</b> (1) Maintain a log of maintenance performed on the boilers and training provided to the boiler operators.        (2) Maintain a log of visible emissions observation performed on site for 5 years and make available to the Department’s representative upon request. [<b>Authority: COMAR 26.11.03.06C</b>].</p> <p><b>C.</b> Maintain the following records for at least five years and make records available to the Department upon request:        (1) (a) The record of the hours of operation for each boiler; NOx emissions and O<sub>2</sub> readings of the analyzer for each boiler; the type and quantity of fuels used by each boiler; and the record of NOx analyzer calibration/QA/QC checks. [<b>Authority: COMAR 26.11.03.06C</b>].        (b) The records of the calculations and supporting documentation for the NOx emissions from the boilers during any 12-month rolling period. [<b>Authority: COMAR 26.11.03.06C</b>].        (c) Consumption of natural gas and No. 2 fuel oil during any 12-month rolling period. [<b>Authority: COMAR 26.11.03.06C</b>].        (2) See C (1) (a) above [<b>Authority: COMAR 26.11.03.06C</b>].        (3) Maintain annual fuel use records on site for at least three years and make records available to the Department upon request.  <b>Note:</b> Retention of records of all monitoring data and support information is for a period of five years or longer, as specified by the Department, from the date of the monitoring sample, measurement, application, or report. [<b>Authority: COMAR 26.11.09.08K (3) and COMAR 26.11.03.06C</b>].</p> <p><b>D.</b> Maintain annual fuel use records on site for at least five years and make records available to the Department upon request [<b>Authority: COMAR 26.11.03.06C</b>].</p>
2.5	<p><b><u>Reporting Requirements:</u></b> [<b>Authority: COMAR 26.11.03.06C</b>].</p> <p>The Permittee shall:</p> <p><b>A.</b> Submit semi-annual reports of fuel supplier’s certifications.</p> <p><b>B.</b> Report incidents of visible emissions in accordance with Condition 4 of Section III “Report of Excess Emissions and Deviation</p> <p><b>C.</b> (1)(a) The Permittee shall report on a semi-annual basis incidence of excess emissions when NOx emissions rate as measured by the NOx monitor, exceed the applicable limits in accordance with Condition 4 of Section III “Report of Excess Emissions and Deviations”. [<b>Authority: COMAR 26.11.03.06C</b>].</p>

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

	<p>(b) Submit the rolling twelve month NOx emissions that were calculated at the end of each month in a semi annual monitoring report due by July 31 for the period January 1 through June 30 and January 31 for the period July 1, through December 31. <b>[Authority: COMAR 26.11.03.06C].</b></p> <p>(c) Submit monthly consumption of both natural gas and No. 2 fuel oil for each boiler on a rolling 12 months basis included with the semi annual monitoring reports.</p> <p>(2) See C (1) (a) above <b>[Authority: COMAR 26.11.03.06C].</b></p> <p>(3) Make the annual fuel use records available to the Department upon request. <b>[Authority: COMAR 26.11.03.06C].</b></p> <p><b>D.</b> Submit an annual emissions certification report (Permit Condition 8 of Section III, Plant Wide Conditions "Emissions Certification Report"). The annual certification report shall contain the type, quantities, and analyses of all fuels burned <b>[Authority: COMAR 26.11.02.19D]</b></p>

A Permit Shield shall cover the applicable requirements identified for the emissions units listed in the table above.

<b>Table IV- 3</b>	
<b>3.0</b>	<p><b>Emissions Unit (Number(s))</b></p> <p><b>EU: 16-05B – One Cleaver Brooks natural gas/fuel oil-fired boiler Model DL-68E rated at 71 MMBtu/hr. heat input, and equipped with low NOx burner and flue gas recirculation.</b></p> <p>This boiler is subject to the requirements of the New Source Performance Standard (NSPS) for Small Industrial-Commercial-Institutional Steam Generalizing Units (40 CFR Part 60, Subpart Dc) because it was installed after June 9, 1989. Additionally, this boiler is deemed an existing source under the National Emission Standard for Hazardous Air pollutant (NESHAPs) for Industrial, Commercial, Institutional Boilers at Area Sources (40 CFR Part 63, Subpart JJJJJ) because construction or reconstruction of the unit commenced before June 4, 2010. It is subject to the requirements of this subpart. However, the unit is exempted from the requirements provided NSAB continues to restrict the use of fuel-oil to periods of natural gas curtailments as specified under §63.11195e, and in effect operate the boiler as a gas fired boiler. The subpart defines a gas-fired boiler to “include any boiler that burns gaseous fuels not combined with any solid fuels and burns liquid fuel only during periods of gas curtailment, gas supply interruption, startups, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.” <b>[Reference: § 63.11195(e) and § 63.112374].</b></p> <p>If at a later date, NSAB decides to combust fuel-oil other than periods of natural gas</p>

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

	<p>curtailment, it would have 180 days to comply with the requirements of the subpart. [Reference: §63.11210(h)]. NSAB shall submit with the annual emissions certification report supporting documentation, which required the curtailment of natural gas.</p>
<p><b>3.1</b></p>	<p><b><u>Applicable Regulation/limits</u></b></p> <p><b>A. <u>Control of Sulfur Oxides</u></b></p> <p>(1). <b>COMAR 26.11.09.07A (2) (b)</b> “In Areas III and IV - Sulfur Content Limitations for Fuel. A person may not burn, sell, or make available for sale any fuel with a sulfur content by weight in excess of or which otherwise exceeds 0.3 percent by weight.”</p> <p>(2) <b>40 CFR 60.42c</b> - Standard for sulfur dioxide (SO<sub>2</sub>)</p> <p>“(d) On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that combusts oil shall cause to be discharged into the atmosphere from that affected facility any gases that contain SO<sub>2</sub> in excess of 215 ng/J (0.50 lb/MMBtu) heat input; or, as an alternative, no owner or operator of an affected facility that combusts oil shall combust oil in the affected facility that contains greater than 0.5 weight percent sulfur. The percent reduction requirements are not applicable to affected facilities under this paragraph.”</p> <p>“(h) For affected facilities listed under paragraphs (h)(1), (2), or (3) of this section, compliance with the emission limits or fuel oil sulfur limits under this section may be determined based on a certification from the fuel supplier, as described under §60.48c(f), as applicable.</p> <p>(1) Distillate oil-fired affected facilities with heat input capacities between 2.9 and 29 MW (10 and 100 MMBtu/hr).”</p> <p>“(i) The SO<sub>2</sub> emission limits, fuel oil sulfur limits, and percent reduction requirements under this section apply at all times, including periods of startup, shutdown, and malfunction.”</p> <p><b>Note:</b> Compliance with COMAR 26.11.09.07A (2) (b) will constitute compliance with 40 CFR 60.42c.</p> <p><b>B. <u>Control of Visible Emissions</u></b></p> <p>(1) <b>COMAR 26.11.09.05A (2) - <u>Visible Emissions</u></b> - Areas III and IV. In Areas III and IV, a person may not cause or permit the discharge of emissions from any fuel burning equipment, other than water in an uncombined form, which is visible to human observers except that, for the purpose of demonstrating compliance using COM data, emissions that are visible to a human observer are</p>

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

	<p>those that are equal to or greater than 10 percent opacity.”</p> <p><u>Exceptions.</u> <b>COMAR 26.11.09.05A(3)</b> “Section A (1) and (2) of this regulation do not apply to emissions during load changing, soot blowing, startup, or adjustments or occasional cleaning of control equipment if:</p> <p>(1) The visible emissions are not greater than 40 percent opacity; and          (2) The visible emissions do not occur for more than 6 consecutive minutes in any sixty minute period.”</p> <p>(2) <b>40 CFR 60.43c Subpart Dc</b>          “(c) On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that combusts coal, wood, or oil and has a heat input capacity of 8.7 MW (30 MMBtu/hr) or greater shall cause to be discharged into the atmosphere from that affected facility any gases that exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.”</p> <p>“(d) The PM and opacity standards under this section apply at all times, except during periods of startup, shutdown, or malfunction.”</p> <p><b>Note:</b> Compliance with COMAR 26.11.09.05A (2) will constitute compliance with 40 CFR 60.43.c.</p> <p><b>C. <u>Control of NOx Emissions</u></b></p> <p>(1) <b>Permit-to-Construct No. 031-1124-5-2233</b> requires the Permittee to ensure that the NOx emissions from the boiler are less than 25 tons for any rolling 12-month period unless the source applies for and obtains a New Source Review approval.</p> <p><b><u>NOx RACT – General Requirement and Conditions</u></b></p> <p>(2) <b>COMAR 26.11.09.08 B (1) <u>Emission Standards and Requirements</u></b>          The Permittee or operator of a source with a potential to emit of 25 tons or more of NOx shall comply with the NOx emissions standard set forth in COMAR 26.11.09.08 B (1)(c) which is 0.25 lb of NOx per MMBtu of heat input.</p> <p><b>D. <u>Operational Requirement</u></b>  <b>Permit-to-Construct No. 031-1124-5-2233</b> requires the Permittee to ensure that the fuels combusted in the boiler are limited to natural gas and No. 2 fuel oil only.</p>
3.2	<p><b><u>Testing Requirements:</u></b> [Authority: COMAR 26.11.03.06C].</p> <p>A. See Monitoring Requirements.          B. See Monitoring Requirements.</p>

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

	<p><b>C.</b> (1) (a) See Monitoring Requirements. (2) The Permittee shall perform calibration checks and QA/QC procedures on the portable NOx analyzer as recommended by the analyzer manufacturer. (3) See record keeping</p> <p><b>D.</b> See record keeping and reporting requirements</p>
<b>3.3</b>	<p><b><u>Monitoring Requirements:</u></b> The Permittee shall:</p> <p><b>A.</b> Obtain fuel supplier’s certification, which includes the name of the oil supplier and statement from the fuel supplier that the distillate fuel oil complies with the limitation of 0.3% by weight of the sulfur content in the fuel oil. [<b>Authority: COMAR 26.11.03.06C] and [40 CFR Part 60.48c (f) (1)].</b></p> <p><b>B.</b> (a) Properly operate and maintain the boilers; (b) Maintain an operations manual and preventive maintenance plan; and (c) Verify no visible emissions when burning #2 fuel-oil. An observer shall perform a visual observation of stack emissions for a 6-minute period at least once for every 168 hours that the boiler burns oil. If a boiler operates on oil for less than 168 hours in a calendar year, the visual observation requirement for that calendar year is waived. (d) Perform the following if emissions are visible to human observer. (i) Inspect combustion control system and boiler operations. (ii) Perform all necessary adjustments and/or repairs to the boiler within 48 hours so that visible emissions are eliminated; (iii) Document in writing the results of the inspections, adjustments and/or repairs to the boiler; and (iv) After 48 hours, if the required adjustments and/or repairs had not eliminated the visible emissions, perform a Method 9 observation once daily for 18 minutes until corrective action has eliminated the visible emissions. [<b>Authority: COMAR 26.11.03.06C].</b></p> <p><b>C.</b> (1) Calculate, at the end of each calendar month, the NOx emissions from the boiler in tons for the prior rolling twelve month period. [<b>Authority: Permit-to-Construct No. 031-1124-5-2233 and COMAR 26.11.03.06C].</b> (2) Use a NOx analyzer to check and record the NOx emissions in the exhaust gases from the boilers for 15 minutes for every 168 hours of operation of the boiler, on a calendar quarter basis. To verify that the boilers are being operated in a similar manner as during the stack tests, the Permittee shall continuously monitor excess oxygen in the exhaust gases [<b>Authority: COMAR 26.11.03.06C].</b> (3) See recording keeping</p> <p><b>D.</b> See record keeping and reporting requirements</p>

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

<b>3.4</b>	<p><b><u>Record Keeping Requirements [Authority: COMAR 26.11.03.06C]:</u></b></p> <p>The Permittee shall:</p> <p><b>A.</b> Maintain records of fuel supplier’s certification for 5 years. [<b>Authority: COMAR 26.11.03.06C</b>] and [40 CFR Part 60.48c(g)]</p> <p><b>B.</b> (a) Maintain a log of maintenance performed on the boiler and training provided to the boiler operators. (b) Maintain a log of visible emissions observation performed on site for 5 years and make available to the Department’s representative upon request. [<b>Authority: COMAR 26.11.03.06C</b>].</p> <p><b>C.</b> Maintain the following records for at least five years: (1) The records of the calculations and supporting documentation for the NOx emissions from the boiler during any 12-month rolling period. [<b>Authority: COMAR 26.11.03.06C</b>]. (2) The record of the hours of operation for the boiler; NOx emissions and O<sub>2</sub> readings of the analyzer for the boiler; and the type and quantity of fuels used by the boiler [<b>Authority: COMAR 26.11.03.06C</b>]. (3) Maintain annual fuel use records on site for at least three years and make records available to the Department upon request. <b>Note:</b> Retention of records of all monitoring data and support information is for a period of five years or longer, as specified by the Department, from the date of the monitoring sample, measurement, application, or report. [<b>Authority: COMAR 26.11.09.08K (3) and COMAR 26.11.03.06C</b>].</p> <p><b>D.</b> Maintain annual fuel use records on site for at least five years and make records available to the Department upon request [<b>Authority: COMAR 26.11.03.06C</b>].</p>
<b>3.5</b>	<p><b><u>Reporting Requirements: [Authority: COMAR 26.11.03.06C].</u></b></p> <p>The Permittee shall:</p> <p><b>A.</b> Submit semi-annual reports of fuel supplier’s certifications.</p> <p><b>B.</b> Report incidents of visible emissions in accordance with Condition 4 of Section III “Report of Excess Emissions and Deviation</p> <p><b>C.</b> (1) Submit the rolling twelve month NOx emissions that were calculated at the end of each month in a semi annual monitoring report due by July 31 for the period January 1 through June 30 and January 31 for the period July 1, through December 31. [<b>Authority: COMAR 26.11.03.06C</b>].  (2) Report on a semi-annual basis incidence of excess emissions when NOx emissions rate as measured by the NOx monitor, exceed 0.25 lb/MMBtu in accordance with Condition 4 of Section III “Report of Excess Emissions and</p>



**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

	<p style="text-align: center;">Deviations” [Authority: COMAR 26.11.03.06C].</p> <p style="text-align: center;">(3) Make the annual fuel use records available to the Department upon request. [Authority: COMAR 26.11.03.06C].</p> <p><b>D.</b> Submit an annual emissions certification report (Permit Condition 8 of Section III, Plant Wide Conditions "Emissions Certification Report"). The annual certification report shall contain the type, quantities, and analyses of all fuels burned [Authority: COMAR 26.11.02.19D].</p>
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A Permit Shield shall cover the applicable requirements identified for the emissions units listed in the table above.

<u><b>Table IV- 4</b></u>	
<b>4.0</b>	<p><u><b>Emissions Unit Number(s)</b></u>  <b>Variety of EUs comprising five (5) diesel engine emergency generators of sizes ranging from 400 kW – 600 kW with the following emissions unit numbers.</b></p> <p><b>Emissions Unit Number(s): 07-01G, 53-01G, 16-01G, 16-02G and 01-01G</b> – constructed before July 11, 2005 These units are not subject to NSPS requirements under 40 CFR Part 60 Subpart III because of NSPS applicability date of July 11, 2005 [Ref.: §60.4200(a)(2)(i)].</p>
<b>4.1</b>	<p><u><b>Applicable Standards/Limits</b></u>  <u><b>Visible Emissions Limitations</b></u></p> <p><b>A1. COMAR 26.11.09.05E (2) Emissions During Idle Mode.</b> A person may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity.</p> <p><b>A2. COMAR 26.11.09.05E (3) Emissions During Operating Mode.</b> A person may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity.</p> <p><b>A3. COMAR 26.11.09.05E (4) Exceptions.</b></p> <p>(a) Section E (2) of this regulation does not apply for a period of 2 consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system.</p> <p>(b) Section E(2) of this regulation does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods:</p> <p style="padding-left: 20px;">(i) Engines that are idled continuously when not in service: 30 minutes;</p> <p style="padding-left: 20px;">(ii) All other engines: 15 minutes.</p> <p>(c) Section E (2) and (3) of this regulation do not apply while maintenance, repair, or testing is being performed by qualified mechanics.</p>

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

**Control of Sulfur Dioxide Emissions**

**B1. COMAR 26.11.09.07A (2) (b)** “ In Areas III and IV - Sulfur Content Limitations for Fuel. A person may not burn, sell, or make available for sale any fuel with a sulfur content by weight in excess of or which otherwise exceeds 0.3 percent by weight.”

**B2. 40 CFR Part 63 Subpart ZZZZ (The RICE Rule) §63.6604 What fuel requirements must I meet if I own or operate a stationary CI RICE?**

“(b) Beginning January 1, 2015, if you own or operate an existing emergency CI stationary RICE with a site rating of more than 100 brake HP and a displacement of less than 30 liters per cylinder that uses diesel fuel and operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §63.6640(f)(2)(ii) and (iii) or that operates for the purpose specified in §63.6640(f)(4)(ii), you must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.

**Note:** 40 CFR 80.510(b) requires diesel fuel with a maximum sulfur content limit of 15 ppm and a cetane index or aromatic content, as follows:

- (i) A minimum cetane index of 40; or
- (ii) A maximum aromatic content of 35 volume percent.

**Control of Nitrogen Oxides**

**C. NO<sub>x</sub> RACT Requirements**

**1. COMAR 26.11.09.08G** – Requirements for Fuel-Burning Equipment with a Capacity Factor of 15 percent or less.

- (1) A person who owns or operates fuel-burning equipment with a capacity factor (as defined in 40 CFR Part 72.2) of 15 percent or less shall:
  - (a) Provide certification of the capacity factor of the equipment to the Department in writing;
  - (b) For fuel-burning equipment that operates more than 500 hours during a calendar year, perform a combustion analysis and optimize combustion at least once annually
  - (c) Maintain the results of the combustion analysis at the site for at least 2 years and make these results available to the Department and the EPA upon request;
  - (d) Require each operator of an installation, except combustion turbines, to attend operator training programs at least once every 3 years, on combustion optimization that are sponsored by the Department, the EPA, or equipment vendors; and
  - (e) Maintain a record of training program attendance for each operator at the site, and make these records available to the Department upon request.”

**2. COMAR 26.11.09.08B (5) - Operator Training.**

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

	<p>(a) <b>COMAR 26.11.09.08B (5) (a)</b> states that” for purposes of this regulation, the equipment operator to be trained may be the person who maintains the equipment and makes the necessary adjustments for efficient operation” and</p> <p>(b) <b>COMAR 26.11.09.08B (5) (b)</b> states that “the operator-training course sponsored by the Department shall include an in-house training course that is approved by the Department.”</p> <p><b>D. <u>Control of NESHAP</u></b>      See requirements in <b>Table IV-4a 40 CFR Part 63 Subpart ZZZZ-RICE RULE</b></p>
<p><b>4.2</b></p>	<p><b><u>Testing Requirements:</u></b></p> <p><b>A. <u>Visible Emissions Limitation</u></b>      See monitoring requirements.</p> <p><b>B. <u>Sulfur Oxide Emissions</u></b>      See Monitoring requirements.</p> <p><b>C. <u>Nitrogen Oxide Emissions</u></b>      See Record keeping requirements</p> <p><b>D. <u>Control of NESHAP</u></b>      See requirements in <b>Table IV-4a 40 CFR Part 63 Subpart ZZZZ-RICE RULE</b></p>
<p><b>4.3</b></p>	<p><b><u>Monitoring Requirements:</u></b></p> <p><b>A. <u>Visible Emissions Limitation</u></b></p> <p>(1) The Permittee shall:</p> <p>(a) Properly operate and maintain the engine; and</p> <p>(b) Maintain an operations manual and preventive maintenance plan.  <b>[Authority: COMAR 26.11.03.06C].</b></p> <p>(2) The Permittee shall properly operate and maintain the CI engine in a manner to minimize visible emissions and in accordance with the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer.  <b>[Authority: COMAR 26.11.03.06C)].</b></p> <p><b>B. <u>Sulfur Oxide Emissions Limitation</u></b>      The Permittee shall obtain fuel supplier’s certification, which includes the name of the oil supplier and statement from the fuel supplier that the distillate fuel oil complies with the limitations on sulfur content in the fuel oil. <b>[Authority: COMAR</b></p>

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

	<p style="text-align: center;"><b>26.11.03.06C].C.</b></p> <p><b>C. <u>Nitrogen Oxide Emissions</u></b> The Permittee shall require each installation operators to attend operator training program on combustion optimization that are sponsored by the Department, U.S. EPA, or equipment vendors, once every three years. [Authority: COMAR 26.11.09.08G(1)(d)]; and</p> <p><b>D. <u>NESHAP</u></b> See monitoring requirements in <u>Table IV-4a 40 CFR Part 63 Subpart ZZZZ-RICE RULE.</u></p>
<p><b>4.4</b></p>	<p><b><u>Record Keeping Requirements:</u></b></p> <p><b>A. <u>Visible Emissions Limitation</u></b> The Permittee shall maintain records of the preventive maintenance that relates to combustion process performed on the engine on site for at least 5 years and make the records available to the Department upon request. The Permittee shall also retain the operations manual on site and make it available to the Department upon request [Authority: COMAR 26.11.03.06C].</p> <p><b>B. <u>Sulfur Oxide Emissions</u></b> The Permittee shall maintain records of fuel suppliers' certifications of the percent sulfur content in the fuel on site for at least five years and shall make the records available to the Department upon request. The fuel oil certification report must contain the type, quantities, and analyses of all fuels burned [Authority: COMAR 26.11.09.07C].</p> <p><b>C. <u>Nitrogen Oxide Emissions</u></b> The Permittee shall maintain a record of training program attendance for each operator at the site, and make these records available to the Department upon request. [Authority: COMAR 26.11.09.08G (1) (e)]. The Permittee shall also maintain annual fuel use records on site for at least three years and make records available to the Department upon request.  <b>Note:</b> Retention of records of all monitoring data and support information is for a period of five years or longer, as specified by the Department, from the date of the monitoring sample, measurement, application, or report. [Authority: COMAR 26.11.09.08K (3) and COMAR 26.11.03.06C].</p> <p><b>D. <u>NESHAP</u></b> See record keeping requirements in <u>Table IV-4a 40 CFT Part 63 Subpart ZZZZ-RICE RULE.</u></p>

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

<b>4.5</b>	<p><b><u>Reporting Requirements:</u></b></p> <p><b>A. <u>Visible Emissions Limitation</u></b>          The Permittee shall report incidents of visible emissions in accordance with Condition 4 of Section III “Report of Excess Emissions and Deviation. [Reference: COMAR 26.11.03.06C].</p> <p><b>B. <u>Sulfur Oxide Emissions</u></b>          The Permittee shall submit the fuel supplier certification or a copy of the sulfur in fuel analyses to the Department upon request. [Authority: COMAR 26.11.09.07C].</p> <p><b>C. <u>Nitrogen Oxide Emissions</u></b>          The Permittee shall provide certification of the capacity factor of the equipment to the Department in writing along with the annual fuel utilization in the Annual Emissions Certification Report which is due April 1 of each calendar year. [Authority: COMAR 26.11.03.06C and COMAR 26.11.09.08G (1) (a)].          The Permittee shall submit the annual fuel use records available to the Department upon request. [Authority: COMAR 26.11.03.06C].</p> <p><b>D. <u>NESHAP</u></b>          See reporting requirements in <u>Table IV-4a</u> 40 CFR Part 63 Subpart ZZZZ-RICE RULE.</p>
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A Permit Shield shall cover the applicable requirements identified for the emissions units listed in the table above.

<b><u>Table IV- 4a</u> 40 CFR Part 63 Subpart ZZZZ-RICE RULE</b>	
<b>4.0a</b>	<p><b><u>Emissions Unit Number(s)</u></b>  <b>Variety of EUs comprising five (5) diesel engine emergency generators of sizes ranging from 400 kW – 600 kW with the following emissions unit numbers.</b></p> <p><b>Emissions Unit Number(s): 07-01G, 53-01G, 16-01G, 16-02G and 01-01G</b> – constructed before July 11, 2005 These units are not subject to NSPS requirements under 40 CFR Part 60 Subpart IIII because of NSPS applicability date of July 11, 2005 [Ref.: §60.4200(a)(2)(i)].</p>
<b>4.1a</b>	<p><b><u>Applicable Standards/Limits</u></b></p> <p><b><u>Control of NESHAP</u></b></p> <p style="padding-left: 40px;"><b>40 CFR Part 63 Subpart ZZZZ (RICE Rule)</b></p> <p>(1) The Permittee shall comply with the following requirements for the diesel engine:</p> <p style="padding-left: 40px;">(a) Change oil and filter every 500 hours of operation or annually, whichever</p>

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

	<p>comes first;</p> <p>(b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and</p> <p>(c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. <b>[Reference: 40 CFR §63.6603(a) and Table 2d, Item 4 of 40 CFR 63, Subpart ZZZZ].</b></p> <p>(2) In order to extend the specified oil change requirement in Table 2d, Item 4 of 40 CFR 63, Subpart ZZZZ, applicable on May 3, 2013 for the diesel engine, the Permittee has the option to utilize an oil analysis program in 40 CFR §63.6625(i) as follows:</p> <p>(a) The oil analysis must be performed at the same frequency specified for changing the oil in 40 CFR 63, Table 2d to Subpart ZZZZ.</p> <p>(b) The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content (by volume). The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5.</p> <p>(c) If all of these condemning limits are not exceeded, the Permittee is not required to change the oil. If any of the limits are exceeded, the Permittee must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the Permittee must change the oil within 2 days or before commencing operation, whichever is later. <b>[Reference: Footnote 1 to Table 2d of 40 CFR 63, Subpart ZZZZ and 40 CFR §63.6625(i)].</b></p> <p>(3) If the emergency generator is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of 40 CFR 63, Subpart ZZZZ, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. <b>[Footnote 2 to Table 2d of 40 CFR 63, Subpart ZZZZ].</b></p> <p>(4) The owners and operators (the Permittee) of an existing emergency CI stationary</p>
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**DEPARTMENT OF THE NAVY**  
**NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)**  
**PART 70 OPERATING PERMIT**  
**PERMIT No. 24-031-01124**

RICE with a site rating of more than 100 brake horsepower and a displacement of less than 30 liters per cylinder that uses diesel fuel and are contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §63.6640(f)(2)(ii) and (iii) or that operates for the purposes specified in §63.6640(f)(4)(ii) must purchase diesel fuel that meets the requirements of 40 CFR 80.510(b) for non-road diesel fuel.

**Note:** 40 CFR 80.510(b) requires diesel fuel with a maximum sulfur content limit of 15 ppm and a cetane index or aromatic content, as follows:

- (i) A minimum cetane index of 40; or
- (ii) A maximum aromatic content of 35 volume percent.

**[Reference: CFR §63.6604(b)].**

- (5) The Permittee must comply with the following work or management practices:
- (a) Operate and maintain each emergency generator according to the manufacturer's emission-related operation and maintenance instructions; or
  - (b) Develop and follow their own maintenance plan which must provide to the extent practicable for the maintenance and operation of each emergency generator in a manner consistent with good air pollution control practice for minimizing emissions.  
**[Reference: 40 CFR 63.6640(a) and Table 6, Item 9].**
- (6) As an owner/operator of emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in **40 CFR 63.6640(f)** (1) through (f) (4). In order for the engine to be considered emergency stationary RICE under this subpart, any operation other than emergency operation and maintenance and testing is prohibited. If you do not operate the engine according to the requirements in paragraphs (f) (1) through (f) (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.
- (f)(1) There is no time limit on the use of emergency stationary RICE in emergency situations.
  - (f)(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f) (2) (i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (f)(4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).
    - (f)(2)(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

	<p>manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.</p> <p>(f)(2)(ii) <i>Not applicable</i></p> <p>(f)(2)(iii) <i>Not applicable</i></p> <p>(f)(3) - <i>Not applicable.</i></p> <p>(f)(4) <i>Not Applicable</i></p> <p>(f)(4)(i) - <i>Not Applicable</i></p> <p>(f)(4)(ii) - <i>Not Applicable</i></p>
4.2a	<p><b><u>Testing Requirements:</u></b></p> <p>See Monitoring Requirements</p>
4.3a	<p><b><u>Monitoring Requirements:</u></b></p> <p>(1) The Permittee at all times must operate and maintain the diesel engine, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.</p> <p>The general duty to minimize emissions does not require the Permittee to make any further efforts to reduce emissions if levels required by 40 CFR 63, Subpart ZZZZ have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Department which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. <b>[Reference 40 CFR §63.6605(b)].</b></p> <p>(2) The Permittee must operate and maintain the diesel engine according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the emergency generators in a manner consistent with good air pollution control practice for minimizing emissions. <b>[Reference: 40 CFR §63.6625(e)].</b></p> <p>(3) The Permittee must minimize the diesel engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe</p>



**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

	loading of the engine, not to exceed 30 minutes. [Reference: 40 CFR §63.6625(h)].
4.4a	<p><b><u>Record Keeping Requirements:</u></b></p> <p>The Permittee must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE according to your own maintenance plan. [Reference: 40 CFR §63.6655(e)].</p>
4.5a	<p><b><u>Reporting Requirements:</u></b></p> <p>See Record Keeping Requirements</p>

A Permit Shield shall cover the applicable requirements identified for the emissions units listed in the table above.

**Table IV-5**

<b>5.0</b>	<p><b><u>Emissions Unit Number(s)</u></b></p> <p>Variety of EUs comprising twenty-one (21) diesel engine emergency generators of sizes ranging from 400 kW – 3,000 kW with the following emissions unit numbers.</p> <p><b>Emissions Unit Number(s): 27-01A, 71B-01H, 72C-02H, 55-03H, 63-01G, 55-01H, 55-02H, 51-01G, 17-01, 62-02G, 63-02H, 70A-01H, 44-02G, 44-01G, 47-01G, 55-04H, 16-01C, 01-02G, 16-03G, 202-01H, and 01-01H – constructed after July 11, 2005 [Ref.: §60.4200(a)(2)(i)].</b></p> <p><b>Note:</b> These units are subject to the NSPS requirements under 40 CFR Part 60 Subpart III because they were constructed after NSPS applicability date of July 11 2005. The earliest unit (27-01A) was constructed in November 2009. As a result the units are subject to the RICE requirements under 40 CFR 63 Subpart ZZZZ. 40 CFR 63 Subpart ZZZZ defines stationary RICE located at an area source as new if construction of the source commenced on or after June 12, 2006. Under §63.6590(c) (1) -Stationary RICE subject to Regulations under 40 CFR 60 - “An affected source that meets any of the criteria in paragraphs (c) (1) through (7) of this section must meet the requirements of this part by meeting the requirement of 40 CFR part 60 Subpart III, for compression ignition engine or 40 CFR part 60 Subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.”</p>
<b>5.1</b>	<p><b><u>Applicable Standards/Limits</u></b></p> <p><b>A. <u>Visible Emissions Limitations</u></b></p> <p><b>A1. COMAR 26.11.09.05E (2) Emissions During Idle Mode.</b> A person may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity.</p>

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

**A2. COMAR 26.11.09.05E (3) Emissions During Operating Mode.** A person may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity.

**A3. COMAR 26.11.09.05E (4) Exceptions.**

(a) Section E (2) of this regulation does not apply for a period of 2 consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system.

(b) Section E(2) of this regulation does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods:

(i) Engines that are idled continuously when not in service: 30 minutes;

(ii) All other engines: 15 minutes.

(c) Section E (2) and (3) of this regulation do not apply while maintenance, repair, or testing is being performed by qualified mechanics.

**A4. 40 CFR Part 60 Subpart IIII.- New Source Performance Standard (NSPS) for Stationary Compression Ignition (CI) Internal Combustion Engines (ICE)**  
See Table IV-5a

**§ 89.113 Smoke emission standard**

See requirements under paragraph B below.

**B. Control of Particulate**

See Table IV-5a

**C. Control of Sulfur Oxide Emissions**

**C1. COMAR 26.11.09.07A (2) (b)** “ In Areas III and IV - Sulfur Content Limitations for Fuel. A person may not burn, sell, or make available for sale any fuel with a sulfur content by weight in excess of or which otherwise exceeds 0.3 percent by weight.”

**C2. NSPS subpart IIII-§60.4207** “What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?”

“(a) Not applicable

(b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (otherwise obtained) prior to October 1, 2010, may be used until depleted

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

(c) Permittee, owner or operator must use fuel that meets a maximum per gallon sulfur content of 1,000 parts per million (ppm).”

**D. Control of Nitrogen Oxides**

**NOx RACT Requirements**

**1. COMAR 26.11.09.08G** – Requirements for Fuel-Burning Equipment with a Capacity Factor of 15 percent or less.

(1) A person who owns or operates fuel-burning equipment with a capacity factor (as defined in 40 CFR Part 72.2) of 15 percent or less shall:

- (a) Provide certification of the capacity factor of the equipment to the Department in writing;
- (b) For fuel-burning equipment that operates more than 500 hours during a calendar year, perform a combustion analysis and optimize combustion at least once annually.
- (c) Maintain the results of the combustion analysis at the site for at least 2 years and make these results available to the Department and the EPA upon request;
- (d) Require each operator of an installation, except combustion turbines, to attend operator training programs at least once every 3 years, on combustion optimization that are sponsored by the Department, the EPA, or equipment vendors; and
- (e) Maintain a record of training program attendance for each operator at the site, and make these records available to the Department upon request.”

**2. COMAR 26.11.09.08B (5) - Operator Training.**

- (a) **COMAR 26.11.09.08B (5) (a)** states that” for purposes of this regulation, the equipment operator to be trained may be the person who maintains the equipment and makes the necessary adjustments for efficient operation” and
- (b) **COMAR 26.11.09.08B (5) (b)** states that “the operator-training course sponsored by the Department shall include an in-house training course that is approved by the Department.”

**E. NSPS Subpart IIII – See Table IV-5a**

**5.2 Testing Requirements:**

**A. Visible Emissions Limitation**

See monitoring requirements.

**B. Particulate Emissions**

See Monitoring requirements.

**C. Sulfur Oxide Emissions**

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

	<p>See Record keeping requirements</p> <p><b>D. Control of Nitrogen Oxides</b></p> <p>See Record keeping requirements</p>
<b>5.3</b>	<p><b><u>Monitoring Requirements:</u></b></p> <p><b>A. <u>Visible Emissions Limitation</u></b></p> <p>(1) The Permittee shall:</p> <p style="padding-left: 20px;">(a) Properly operate and maintain the engine; and</p> <p style="padding-left: 20px;">(b) Maintain an operations manual and preventive maintenance plan.  <b>[Authority: COMAR 26.11.03.06C].</b></p> <p>(2) The Permittee shall properly operate and maintain the CI engine in a manner to minimize visible emissions and in accordance with the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer.  <b>[Authority: COMAR 26.11.03.06C)].</b></p> <p><b>B. <u>Particulate Emissions Limitation</u></b></p> <p>Comply with the operational limitations under NSPS§60.4206 and §60.4209(a) - See Table IV-5a.</p> <p><b>C. <u>Sulfur Oxide Emissions Limitation</u></b></p> <p>(1) The Permittee shall obtain fuel supplier's certification, which includes the name of the oil supplier and statement from the fuel supplier that the distillate fuel oil complies with the limitations on sulfur content in the fuel oil. <b>[Authority: COMAR 26.11.03.06C].</b></p> <p>(2) Comply with requirements under 40 CFR 60 subpart III. <b>Note:</b> The fuel supplier's certification required for demonstrating compliance with the COMAR sulfur in fuel limitation will be used to determine compliance with the NSPS fuel requirement.</p> <p><b>D. <u>Nitrogen Oxide Emissions</u></b></p> <p>The Permittee shall require each installation operators to attend operator training program on combustion optimization that are sponsored by the Department, U.S. EPA, or equipment vendors, once every three years. <b>[Authority: COMAR 26.11.09.08G(1)(d)];</b></p>
<b>5.4</b>	<p><b><u>Record Keeping Requirements:</u></b></p> <p><b>A. <u>Visible Emissions Limitation</u></b></p> <p>The Permittee shall maintain records of the preventive maintenance that relates to combustion process performed on the engine on site for at least 5 years and make</p>

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

	<p>the records available to the Department upon request. The Permittee shall also retain the operations manual on site and make it available to the Department upon request [Authority: COMAR 26.11.03.06C].</p> <p><b>B. <u>Particulate Emissions</u></b>        In accordance with NSPS subpart IIII-§60.4214, the Permittee shall:        “(a) (2) Keep records of the information in paragraphs (a) (2) (i) through (iv) of this section.        (i) All notifications submitted to comply with subpart and all documentation supporting any notification.        (ii) Maintenance conducted on the engine.        (iii) If the stationary CI internal combustion engine is a certified engine, documentation that the engine meets the emissions standards.        (iv) ....” Not applicable        [Authority: §60.4214].</p> <p><b>C. <u>Sulfur Oxide Emissions</u></b>        The Permittee shall maintain records of fuel suppliers’ certifications of the percent sulfur content in the fuel on site for at least five years and shall make the records available to the Department upon request. The fuel oil certification report must contain the type, quantities, and analyses of all fuels burned [Authority: COMAR 26.11.09.07C].</p> <p><b>D. <u>Nitrogen Oxide Emissions</u></b>        The Permittee shall maintain a record of training program attendance for each operator at the site, and make these records available to the Department upon request. [Authority: COMAR 26.11.09.08G (1) (e)]. The Permittee shall also maintain annual fuel use records on site for at least three years and make records available to the Department upon request.    <b>Note:</b> Retention of records of all monitoring data and support information is for a period of five years or longer, as specified by the Department, from the date of the monitoring sample, measurement, application, or report. [Authority: COMAR 26.11.09.08K (3) and COMAR 26.11.03.06C].</p>
5.5	<p><b><u>Reporting Requirements:</u></b></p> <p><b>A. <u>Visible Emissions Limitation</u></b>        The Permittee shall report incidents of visible emissions in accordance with Condition 4 of Section III “Report of Excess Emissions and Deviation. [Reference: COMAR 26.11.03.06C].</p> <p><b>B. <u>Particulate Emissions</u></b>        The Permittee shall submit records to the Department when requested. [Authority:</p>

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

	<p><b>COMAR 26 11 03.06C].</b></p> <p><b>C. <u>Sulfur Oxide Emissions</u></b>          The Permittee shall submit the fuel supplier certification or a copy of the sulfur in fuel analyses to the Department upon request. [<b>Authority: COMAR 26.11.09.07C</b>].</p> <p><b>D. <u>Nitrogen Oxide Emissions</u></b>          The Permittee shall provide certification of the capacity factor of the equipment to the Department in writing along with annual fuel utilization in the Annual Emissions Certification Report which is due April 1 of each calendar year. [<b>Authority: COMAR 26.11.03.06C and COMAR 26.11.09.08G (1) (a)</b>].</p>
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A Permit Shield shall cover the applicable requirements identified for the emissions units listed in the table above.

<b><u>Table IV-5a 40 CFR Part 60 Subpart III</u></b>	
<b>5.0a</b>	<p><b><u>Emissions Unit Number(s)</u></b>  <b>Variety of EUs comprising twenty-one (21) diesel engine emergency generators of sizes ranging from 400 kW – 3,000 kW with the following emissions unit numbers.</b></p> <p><b>Emissions Unit Number(s): 27-01A, 71B-01H, 72C-02H, 55-03H, 63-01G, 55-01H, 55-02H, 51-01G, 17-01, 62-02G, 63-02H, 70A-01H, 44-02G, 44-01G, 47-01G, 55-04H, 16-01C, 01-02G, 16-03G, 202-01H, and 01-01H – constructed after July 11, 2005 [Ref.: §60.4200(a)(2)(i)].</b></p> <p><b>Note:</b> These units are subject to the NSPS requirements under 40 CFR Part 60 Subpart III because they were constructed after NSPS applicability date of July 11 2005. The earliest unit (27-01A) was constructed in November 2009. As a result the units are subject to the RICE requirements under 40 CFR 63 Subpart ZZZZ. 40 CFR 63 Subpart ZZZZ defines stationary RICE located at an area source as new if construction of the source commenced on or after June 12, 2006. Under §63.6590(c) (1) -Stationary RICE subject to Regulations under 40 CFR 60 - “An affected source that meets any of the criteria in paragraphs (c) (1) through (7) of this section must meet the requirements of this part by meeting the requirement of 40 CFR part 60 Subpart III, for compression ignition engine or 40 CFR part 60 Subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part”.</p>

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

<b>5.1a</b>	<p><b><u>Applicable Standards/Limits</u></b></p> <p><b>NSPS Subpart IIII Limitations</b></p> <p>Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in §60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE. <b>[Reference: §60.4205(b)].</b></p> <p>The Permittee must comply by purchasing an engine certified to the emission standards specified in §60.4205(b) for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications. <b>[Reference: §60.4211(c)].</b></p> <p>Owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted. <b>[Reference: §60.4207(b)].</b></p> <p style="padding-left: 40px;">The fuel sulfur requirements of 40 CFR §80.510(b) are as follows:</p> <ul style="list-style-type: none"> <li>(a) Maximum sulfur content 15 ppm and</li> <li>(b) Minimum cetane index of 40; or</li> <li>(c) Maximum aromatic content of 35 volume percent.</li> </ul>
<b>5.2a</b>	<p><b><u>Testing Requirements:</u></b></p> <p><b>See Monitoring Requirements</b></p>
<b>5.3a</b>	<p><b><u>Monitoring Requirements:</u></b></p> <p>(1) The Permittee must operate and maintain an NSPS emergency diesel engines and all control devices (if applicable) according to the manufacturer's written instructions or according to procedures developed by the owner or operator that are approved by the manufacturer. Additionally, the Permittee may change only those settings that are permitted by the manufacturer. The Permittee must also meet the requirements of 40 CFR part 89, part 94 and/or part 1068, as they may apply to an owner or operator <b>[Ref: §60.4211(a)].</b></p> <p>(2) The emergency diesel engine subject to the requirements of 40 CFR 60, Subpart IIII shall be equipped with a non-resettable hour meter <b>[Reference: §60.4209(a)].</b></p> <p>(3) In accordance with <b>40 CFR §60.4211(f)</b>, as owner/operator of an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (f) (1) through (3) of this section. In order for the engine to be considered an</p>

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

	<p>emergency stationary ICE under this subpart, any operation other than emergency operation and maintenance and testing is prohibited. If you do not operate the engine according to the requirements in paragraphs (f) (1) through (3) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.</p> <p>(f)(1) There is no time limit on the use of emergency stationary ICE in emergency situations.</p> <p>(f)(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (f) (2) (i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (f)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).</p> <p>(f)(2)(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.</p> <p>(f)(2)(ii) - <i>Not Applicable</i></p> <p>(f)(2)(iii) <i>Not Applicable</i></p> <p>(f)(3) <i>Not Applicable</i></p>
<b>5.4a</b>	<p><b><u>Record Keeping Requirements:</u></b></p> <p>The Permittee shall keep records of the operation of the engine in emergency and non-emergency services that are recorded through the non-resettable hour meter. The Permittee must record the time of operation of the engine and the reason the engine was in operation during that time. <b>[Reference: §60.4214(b)].</b></p>
<b>5.5a</b>	<p><b><u>Reporting Requirements:</u></b></p> <p>See Recordkeeping Requirements</p>

A Permit Shield shall cover the applicable requirements identified for the emissions units listed in the table above.

<b>Table IV- 6</b>	
<b>6.0</b>	<p>Emissions Unit Number(s)</p> <p><b>EU: 155-01</b> - One (1) 10,000-gallon gasoline storage tank.</p> <p><b>EU: 51A-01.</b> Two (2) 20,000-gallon gasoline storage tanks.</p>
<b>6.1</b>	<p><u>Applicable Regulation/limits</u></p>



**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

**Control of Volatile Organic Compounds**

**(1) COMAR 26.11.13.04**

“C Small Storage Tanks.

(1) Applicability. This section applies to a person who owns or operates:

- (a) A gasoline storage tank that has a tank capacity greater than 2,000 gallons but less than 40,000 gallons; or
- (b) A gasoline tank truck used to transfer gasoline into a storage tank that is listed in Sec. C(1)(a) of this regulation.

(2) Stage I Vapor Recovery. An owner or operator of a gasoline tank truck or an owner or operator of a stationary storage tank subject to this regulation may not cause or permit gasoline to be loaded into a stationary tank unless the loading system is equipped with a vapor balance line that is properly installed, maintained and used.

**D. General Standards.**

A person may not cause or permit a gasoline or VOC having a TVP of 1.5 psia (10.3 kilonewtons/square meter) or greater to be loaded into any truck, railroad tank car, or other contrivance unless the:

- (1) Loading connections on the vapor lines are equipped with fittings that have no leaks and that automatically and immediately close upon disconnection to prevent release of gasoline or VOC from these fittings; and
- (2) Equipment is maintained and operated in a manner to prevent avoidable liquid leaks during loading and unloading operations.”

**(2) COMAR 26.11.24.02 - Vapor Recovery at Gasoline Dispensing Facilities - Applicability, Exemptions, and Effective Date.**

“A. This chapter applies in Baltimore City and Anne Arundel, Baltimore, Calvert, Carroll, Cecil, Charles, Frederick, Harford, Howard, Montgomery, and Prince George’s Counties.”

“B. A gasoline dispensing facility exempted under Sec. C of this regulation is subject only to the record-keeping and reporting requirement of Regulation .07D of this chapter.”

“C. The provisions of this chapter do not apply to:

- (1) The owner or operator of an existing gasoline dispensing facility with a monthly gasoline throughput of less than 10,000 gallons;
- (2) The owner or operator of any new gasoline dispensing facility

**DEPARTMENT OF THE NAVY**  
**NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)**  
**PART 70 OPERATING PERMIT**  
**PERMIT No. 24-031-01124**

that has a total gasoline storage tank capacity of less than 2,000 gallon; or

- (3) An existing independent small business gasoline marketer whose monthly gasoline throughput during calendar years 1990 and 1991 was less than 50,000 gallons.”

(3) **COMAR 26.11.24.03 – General Requirements**

“E. An operator may not use or allow the use of defective equipment associated with the transfer of gasoline from a stationary gasoline storage tank to motor vehicle fuel tanks.”

“F. The operator may not install or use a replacement part in an approved system unless that part has been certified by CARB or approved by the Department for the approved system.”

“G. The owner shall ensure that all underground piping is installed in accordance with the Department's requirements related to underground storage tanks, which are set forth in COMAR 26.10.03.”

“H. Gasoline storage tanks serving a gasoline dispensing facility that is subject to this chapter shall be equipped with a properly designed and installed pressure and vacuum valve with minimum pressure and vacuum settings as specified in the CARB Executive Order for that system.”

(4) **COMAR 26.11.24.03-1 Decommissioning of the Stage II Vapor Recovery System.**

“A. Notwithstanding Regulation .03A of this chapter, an owner or operator of a gasoline dispensing facility or system of gasoline dispensing facilities that installed approved Stage II vapor recovery systems:

- (1) May decommission Stage II vapor recovery systems in accordance with §B of this regulation after October 1, 2016; or  
(2) May decommission Stage II vapor recovery systems in accordance with §B of this regulation where a gasoline dispensing facility undergoes a major modification after the effective date of this regulation.”

“B. An owner or operator of a gasoline dispensing facility that decommissions a Stage II vapor recovery system shall perform the decommissioning of the Stage II vapor recovery system in accordance with the “Recommended Practices for Installation and

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

	<p>Testing of Vapor Recovery Systems at Vehicle Refueling Sites” of the Petroleum Equipment Institute, Section 14, 2009 and COMAR 26.10.10.”</p> <p><u>Operating Requirements:</u></p> <p>(5) <b>COMAR 26.11.24.06 - Training Requirements for Operation and Maintenance of Approved Systems.</b>        A. <u>“General.</u> An operator shall ensure that:        (1) At least one employee at each facility subject to this regulation is trained in accordance with the requirements of Sec. B of this regulation; and        (2) The trained employee assists in the training of each of the other employees at that facility who are involved in the operation or maintenance of the approved system.        B. <u>Approved Training Course Contents and Duration.</u>        (1) An approved training course shall contain, at a minimum, a discussion of the following:        (a) Purposes and effects of Stage II vapor recovery;        (b) Stage II vapor recovery equipment design, function, operation and maintenance;        (c) Daily inspection requirements and development and maintenance of records and files; and        (d) Equipment warranties and spare parts.        (2) The approved training course shall be of a duration sufficient to properly train persons in the requirements of this chapter.”</p> <p>(6) <b>COMAR 26.11.24.08 - Instructional Signs [Authority: COMAR 26.11.24.08]</b>        A. “An operator who is subject to this chapter shall place instructional signs in conspicuous locations at each gasoline dispenser.        B. The instructional signs shall include:        (1) Instructions, with illustrations, on how to insert the nozzle, dispensing gasoline, and how to remove the nozzle;        (2) A warning against attempts to continue refueling after automatic shutoff of the gasoline (that is, topping off); and        (3) The Department’s toll-free telephone number, which may be used for complaints or comments concerning the use of the Stage II vapor recovery systems.”</p> <p>(7) <b>40 CFR Part 63 subpart CCCCCC See Table IV-6a</b></p>
6.2	<p><b><u>Testing Requirements</u></b>  <b>COMAR 26.11.24.04 - Testing Requirements</b>        A.” Except as provided in §§E and F of this regulation, an owner subject to this chapter shall perform the following CARB-approved tests.</p>

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

- (1) A leak test in accordance with the Vapor Recovery Test Procedure TP-201.3 referenced in Regulation .01-1B(1) of this chapter;
- (2) An air to liquid volume ratio test in accordance with the Vapor Recovery Test Procedure TP-201.5 referenced in Regulation .01-1B(2) of this chapter.
- (3) A dynamic pressure performance test in accordance with the Vapor Recovery Test Procedure TP-201.4 referenced in Regulation .01-1B(3) of this chapter;
- (4) A vapor return line vacuum integrity test for the Healy Model 400 ORVR System in accordance with Executive Order G-70-186, Exhibit 4 referenced in Regulation .01-1B(4) of this chapter; and
- (5) A vapor return line vacuum integrity test for the Healy Model 600 System in accordance with Executive Order G-70-165 Exhibit 4 referenced in Regulation .01-1B(5) of this chapter.

A-1. Testing Requirements for Decommissioned Stations and New Stations Installed after the effective date of this regulation that did not Install Stage II. Except as provided in §§E and F of this regulation, an owner or operator of a gasoline dispensing facility subject to this chapter who does not operate a Stage II Vapor Recovery system shall perform the testing requirements of §A(1), (6), and (7) of this regulation as specified in §C(2) of this regulation and repeat annually.

B. The leak and liquid blockage tests required in Sec. A of this regulation shall be performed on each approved system before the gasoline dispensing facility is initially used to refuel motor vehicles, or by the applicable dates in Regulation .03 of this chapter, whichever occurs later. The test method for dynamic back pressure shall be used for the liquid blockage test in accordance with Method 1012 set forth in Sec. A of this regulation.

C. Stage II Vapor Recovery System

An owner of a Stage II vapor recovery system subject to this chapter shall repeat the required tests:

- (a) In accordance with the test schedule in §C (2) of this regulation; and
- (b) Upon replacement of 75 percent or more of an approved system.

**Test Schedule**

<i>Type of Stage II Vapor Recovery System</i>	<i>Initial Test</i>	<i>Frequency of Retest</i>
(a) Vapor Balance System	Dynamic Back Pressure	12 months
	Leak Test	12 months
	Liquid Blockage Test	5 years
(b) Vapor Assist System—Type 1	Air to Liquid Ratio Test	12 months
	Leak Test	12 months
	Liquid Blockage Test	5 years

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

	<table border="1"> <tr> <td data-bbox="370 315 787 409">(c) Vapor Assist System—Type 2 Model 400</td> <td data-bbox="787 315 1177 367">Nozzle Regulation Test</td> <td data-bbox="1177 315 1380 367">12 months</td> </tr> <tr> <td data-bbox="370 409 787 457"></td> <td data-bbox="787 367 1177 409">Vapor Return Leak Tightness Test</td> <td data-bbox="1177 367 1380 409">12 months</td> </tr> <tr> <td data-bbox="370 457 787 531">(d) Vapor Assist System—Type 2 Model 600</td> <td data-bbox="787 457 1177 531">Air to Liquid Ratio Test</td> <td data-bbox="1177 457 1380 531">12 months</td> </tr> <tr> <td data-bbox="370 531 787 579"></td> <td data-bbox="787 531 1177 579">Vapor Return Line Vacuum Integrity Test</td> <td data-bbox="1177 531 1380 579">12 months</td> </tr> </table>	(c) Vapor Assist System—Type 2 Model 400	Nozzle Regulation Test	12 months		Vapor Return Leak Tightness Test	12 months	(d) Vapor Assist System—Type 2 Model 600	Air to Liquid Ratio Test	12 months		Vapor Return Line Vacuum Integrity Test	12 months	<p>D. If a gasoline dispensing facility fails any test required by this chapter, the owner shall notify the Department of the failure in writing within 5 working days after the test and before retesting.</p> <p>E. Alternative test methods approved by CARB may be used in place of the test methods specified in §A of this regulation, if the alternative test methods are approved by the U.S. Environmental Protection Agency (EPA) as a revision to the State Implementation Plan, which is Maryland's plan for meeting the National Ambient Air Quality Standards.</p> <p>F. Test methods and the frequency of testing required by this regulation may be modified for vapor assist systems, if the test methods and testing frequency are approved by the Department and the EPA [<b>Authority: COMAR 26.11.03.06</b>].</p>
(c) Vapor Assist System—Type 2 Model 400	Nozzle Regulation Test	12 months												
	Vapor Return Leak Tightness Test	12 months												
(d) Vapor Assist System—Type 2 Model 600	Air to Liquid Ratio Test	12 months												
	Vapor Return Line Vacuum Integrity Test	12 months												
<p><b>6.3</b></p>	<p><b><u>Monitoring Requirements</u></b>  <b>COMAR 26.11.24.05 – Inspection Requirements.</b></p> <p>A. “An operator subject to this chapter shall ensure that each approved system is inspected at least once each day of operation to verify that it is working properly.</p> <p>B. Except as provided in Sec. C of this regulation, the Department shall consider an operator of a gasoline dispensing facility to be in violation of Regulation .03E of this chapter during period of time that the facility is operated while there is defective equipment at the facility.</p> <p>C. The operator is not in violation of Regulation .03E of this chapter during any period of time for which the operator establishes, to the satisfaction of the Department, that nozzles associated with defective equipment were tagged out of service and that no nozzle associated with the defective equipment was actually used.</p> <p>D. For defective equipment that was identified by the Department, the operator shall inform the Department by telephone within 72 hours after the repair or replacement of the defective equipment.” [<b>Authority: COMAR 26.11.03.06</b>].</p>													
<p><b>6.4</b></p>	<p><b><u>Record Keeping Requirements:</u></b>  <b>(1) COMAR 26.11.24.07 - Record Keeping Requirements and Reporting</b></p> <p>A. “An operator subject to this chapter shall create and maintain a record file at the facility.</p> <p>B. The record file shall contain copies of all test reports, permits, violation notices, correspondence with the Department, equipment maintenance records, training</p>													

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

	<p>records, and other information pertinent to the requirements of this chapter. Verification of training shall be maintained in the facility file. Equipment maintenance records shall be maintained for at least 2 years. Test records shall be maintained for at least 5 years.</p> <p>C. The equipment maintenance records shall include:</p> <ol style="list-style-type: none"> <li>(1) The date on which defective equipment was found, a description of each defect, a description of the corrective action and the date on which the defect was corrected, and the probable cause of the defect;</li> <li>(2) If parts are replaced, the location within the approved system of the part, the part number, and assurance that the replacement part does not degrade the efficiency of the system; and</li> <li>(3) Inspection reports and any other information relating to maintenance or care of the system.” [Authority: COMAR 26.11.03.06].</li> </ol> <p>(2) <b>COMAR 26.11.24.08 - Instructional Signs -</b>      “A. An operator who is subject to this chapter shall place instructional signs in conspicuous locations at each gasoline dispenser.”      “B. The instructional signs shall include:</p> <ol style="list-style-type: none"> <li>(1) Instructions, with illustrations, on how to insert the nozzle, dispense gasoline, and how to remove the nozzle;</li> <li>(2) A warning against attempts to continue refueling after automatic shut-off of the gasoline (that is, topping off); and</li> <li>(3) The Department's toll-free telephone number which may be used for complaints or comments concerning the use of Stage II vapor recovery systems.” [Authority: COMAR 26.11.24.08]</li> </ol>
6.5	<p><b><u>Reporting Requirements:</u></b>  <b>COMAR 26.11.24.07E:</b> “The following reporting requirements apply to a test under this chapter:</p> <ol style="list-style-type: none"> <li>(1) The Department shall be notified 5 days before a test is to be conducted;</li> <li>(2) A test protocol shall be available at the test site during testing;</li> <li>(3) Copies of all test results shall be forwarded to the Department within 30 days of the test; and</li> <li>(4) Test failures shall be reported to the Department in writing within 5 days following the date of the failure.” [Authority: COMAR 26.11.24.07E].</li> </ol>

A Permit Shield shall cover the applicable requirements identified for the emissions units listed in the table above.

**40 CFR Part 63 subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities**

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

The gasoline storage tank **EU: 155-01** is located in the Government Gas Station. It is an existing 10,000-gallon gasoline storage tank constructed in 1995 and has not been reconstructed since then. To be an existing source under this subpart, the affected source had to have been constructed before November 9, 2006. The five year annual average throughputs since 2011 through 2015 are depicted in the table below. Based on the average monthly throughputs shown in the table below, this emission unit is subject to §63.11116 - Requirements for facilities with monthly throughput of less than 10,000 gallons of gasoline.

The emission unit **EU: 51A-01** comprises of two (2) 20,000-gallon gasoline storage tanks. The emission unit is located in the NEX Gas Station. These tanks are existing gasoline storage tanks constructed in 1997 and have not been reconstructed since then. They are existing storage tanks because they were constructed before November 9, 2006. The five year annual average throughputs since 2011 through 2015 are depicted in the Average Monthly Throughputs table below. Based on the average monthly throughputs shown in the table below, this emission unit is subject to §63.11118 - Requirements for facilities with monthly throughput of 100,000 gallons of gasoline or more.

Average Monthly Throughputs (gallons)

Year	2111	2012	2013	2014	2015
<b>EU: 155-01</b>	992.08	909.50	631.00	736.50	880.42
<b>EU: 51A-01</b>	120,814.83	101,112.58	132,685.08	138,082.00	147,966.08

<b>Table IV – 6a</b>	
<b>6.0a</b>	<p><b><u>Emissions Unit Number(s)</u></b></p> <p><b>EU: 155-01</b> - One (1) 10,000-gallon gasoline storage tank located in the Government Gas Station and <b>EU: 51A-01</b>- Two (2) 20,000-gallon gasoline storage tanks located in the NEX Gas Station.</p>
<b>6.1a</b>	<p>Applicable Standards/Limits:</p> <p><b>40 CFR Part 63 subpart CCCCC</b></p> <p><b>§63.11111 Am I subject to the requirements in this subpart?</b></p> <p>(a) The affected source to which this subpart applies is each GDF that is located at an area source. The affected source includes each gasoline cargo tank during the delivery of product to a GDF and also includes each storage tank.</p> <p>(b) If your GDF has a monthly throughput of less than 10,000 gallons of</p>

**DEPARTMENT OF THE NAVY**  
**NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)**  
**PART 70 OPERATING PERMIT**  
**PERMIT No. 24-031-01124**

**Table IV – 6a**

- gasoline, you must comply with the requirements in §63.11116.
- (c) If your GDF has a monthly throughput of 10,000 gallons of gasoline or more, you must comply with the requirements in §63.11117. – ***Not applicable***
  - (d) If your GDF has a monthly throughput of 100,000 gallons of gasoline or more, you must comply with the requirements in §63.11118.
  - (e) An affected source shall, upon request by the Administrator, demonstrate that their monthly throughput is less than the 10,000-gallon or the 100,000-gallon threshold level, as applicable. For new or reconstructed affected sources, as specified in §63.11112(b) and (c), recordkeeping to document monthly throughput must begin upon startup of the affected source. For existing sources, as specified in §63.11112(d), recordkeeping to document monthly throughput must begin on January 10, 2008. For existing sources that are subject to this subpart only because they load gasoline into fuel tanks other than those in motor vehicles, as defined in §63.11132, recordkeeping to document monthly throughput must begin on January 24, 2011. Records required under this paragraph shall be kept for a period of 5 years. ***As applicable***
  - (f) If you are an owner or operator of affected sources, as defined in paragraph (a) of this section, you are not required to obtain a permit under 40 CFR part 70 or 40 CFR part 71 as a result of being subject to this subpart. However, you must still apply for and obtain a permit under 40 CFR part 70 or 40 CFR part 71 if you meet one or more of the applicability criteria found in 40 CFR 70.3(a) and (b) or 40 CFR 71.3(a) and (b).
  - (g) ***Not applicable***
  - (h) Monthly throughput is the total volume of gasoline loaded into, or dispensed from, all the gasoline storage tanks located at a single affected GDF. If an area source has two or more GDF at separate locations within the area source, each GDF is treated as a separate affected source.
  - (i) If your affected source's throughput ever exceeds an applicable throughput threshold, the affected source will remain subject to the requirements for sources above the threshold, even if the affected source throughput later falls below the applicable throughput threshold.
  - (j) The dispensing of gasoline from a fixed gasoline storage tank at a GDF into a portable gasoline tank for the on-site delivery and subsequent dispensing of the gasoline into the fuel tank of a motor vehicle or other gasoline-fueled engine or equipment used within the area source is only subject to §63.11116 of this subpart.- ***Not applicable***
  - (k) For any affected source subject to the provisions of this subpart and another Federal rule, you may elect to comply only with the more



**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

**Table IV – 6a**

stringent provisions of the applicable subparts. You must consider all provisions of the rules, including monitoring, recordkeeping, and reporting. You must identify the affected source and provisions with which you will comply in your Notification of Compliance Status required under §63.11124. You also must demonstrate in your Notification of Compliance Status that each provision with which you will comply is at least as stringent as the otherwise applicable requirements in this subpart. You are responsible for making accurate determinations concerning the more stringent provisions, and noncompliance with this rule is not excused if it is later determined that your determination was in error, and, as a result, you are violating this subpart. Compliance with this rule is your responsibility and the Notification of Compliance Status does not alter or affect that responsibility.

**§63.11112 What parts of my affected source does this subpart cover?**

- (a) The emission sources to which this subpart applies are gasoline storage tanks and associated equipment components in vapor or liquid gasoline service at new, reconstructed, or existing GDF that meet the criteria specified in §63.11111. Pressure/Vacuum vents on gasoline storage tanks and the equipment necessary to unload product from cargo tanks into the storage tanks at GDF are covered emission sources. The equipment used for the refueling of motor vehicles is not covered by this subpart. - *As applicable*
- (b) An affected source is a new affected source if you commenced construction on the affected source after November 9, 2006, and you meet the applicability criteria in §63.11111 at the time you commenced operation. *Not applicable*
- (c) An affected source is reconstructed if you meet the criteria for reconstruction as defined in §63.2. *Not applicable*
- (d) An affected source is an existing affected source if it is not new or reconstructed.

**§63.11113 When do I have to comply with this subpart?**

- (a) If you have a new or reconstructed affected source, you must comply with this subpart according to paragraphs (a)(1) and (2) of this section, except as specified in paragraph (d) of this section. *Not applicable*
- (b) If you have an existing affected source, you must comply with the

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

**Table IV – 6a**

	<p>standards in this subpart no later than January 10, 2011.</p> <p>(c) If you have an existing affected source that becomes subject to the control requirements in this subpart because of an increase in the monthly throughput, as specified in §63.11111(c) or §63.11111(d), you must comply with the standards in this subpart no later than 3 years after the affected source becomes subject to the control requirements in this subpart.</p> <p>(d) If you have a new or reconstructed affected source and you are complying with Table 1 to this subpart, you must comply according to paragraphs (d)(1) and (2) of this section. <i>Not applicable</i></p> <p>(e) The initial compliance demonstration test required under §63.11120(a)(1) and (2) must be conducted as specified in paragraphs (e)(1) and (2) of this section.</p> <p>(1) If you have a new or reconstructed affected source, you must conduct the initial compliance test upon installation of the complete vapor balance system. <i>Not applicable</i></p> <p>(2) If you have an existing affected source, you must conduct the initial compliance test as specified in paragraphs (e)(2)(i) or (e)(2)(ii) of this section.</p> <p>(i) For vapor balance systems installed on or before December 15, 2009, you must test no later than 180 days after the applicable compliance date specified in paragraphs (b) or (c) of this section.</p> <p>(ii) For vapor balance systems installed after December 15, 2009, you must test upon installation of the complete vapor balance system. <i>Not applicable</i></p> <p>(f) If your GDF is subject to the control requirements in this subpart only because it loads gasoline into fuel tanks other than those in motor vehicles, as defined in §63.11132, you must comply with the standards in this subpart as specified in paragraphs (f)(1) or (f)(2) of this section.</p> <p>(1) If your GDF is an existing facility, you must comply by January 24, 2014.</p> <p>(2) If your GDF is a new or reconstructed facility, you must comply by the dates specified in paragraphs (f)(2)(i) and (ii) of this section. <i>Not applicable</i></p> <p>(i) If you start up your GDF after December 15, 2009, but before January 24, 2011, you must comply no later than January 24, 2011. <i>Not applicable</i></p> <p>(ii) If you start up your GDF after January 24, 2011, you must comply upon startup of your GDF. <i>Not applicable</i></p> <p><b>§63.11116. Requirements for facilities with monthly throughput of less than 10,000 gallons of gasoline – Applies to EU:155-01 only</b></p>
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**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

**Table IV – 6a**

- “(a) You must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:
- (1) Minimize gasoline spills;
  - (2) Clean up spills as expeditiously as practicable;
  - (3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;
  - (4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.” - *As applicable*

“(b) The Permittee is not required to submit notifications or reports as specified in §63.11125, §63.11126, or subpart A of this part, but must have records available within 24 hours of a request by the Administrator to document the gasoline throughput.”

“(c) The Permittee must comply with the requirements of this subpart by the applicable dates specified in §63.11113.” (Note: January 10, 2008)

“(d) Portable gasoline containers that meet the requirements of 40 CFR part 59, subpart F, are considered acceptable for compliance with paragraph (a)(3) of this section.”

**§63.11117 Requirements for facilities with monthly throughput of 10,000 gallons of gasoline or more – Applies to EU:51A-01 only.**

- (b) Except as specified in paragraph (c) of this section, you must only load gasoline into storage tanks at your facility by utilizing submerged filling, as defined in §63.11132, and as specified in paragraphs (b)(1), (b)(2), or (b)(3) of this section. The applicable distances in paragraphs (b)(1) and (2) shall be measured from the point in the opening of the submerged fill pipe that is the greatest distance from the bottom of the storage tank.
- (1) Submerged fill pipes installed on or before November 9, 2006, must be no more than 12 inches from the bottom of the tank.
  - (2) Submerged fill pipes installed after November 9, 2006, must be no more than 6 inches from the bottom of the tank.
  - (3) Submerged fill pipes not meeting the specifications of paragraphs (b)(1) or (b)(2) of this section are allowed if the owner or operator can demonstrate that the liquid level in the tank is always above the entire opening of the fill pipe. Documentation providing such demonstration must be made available for inspection by the Administrator's delegated representative during the course of a site visit.

**DEPARTMENT OF THE NAVY**  
**NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)**  
**PART 70 OPERATING PERMIT**  
**PERMIT No. 24-031-01124**

**Table IV – 6a**

**§63.11118 Requirements for facilities with monthly throughput of 100,000 gallons of gasoline or more – Applies to EU:51A-01 only.**

- (a) You must comply with the requirements in §§63.11116(a) and 63.11117(b).
- (b) Except as provided in paragraph (c) of this section, you must meet the requirements in either paragraph (b)(1) or paragraph (b)(2) of this section.
  - (1) Each management practice in Table 1 to this subpart that applies to your GDF.
  - (2) If, prior to January 10, 2008, you satisfy the requirements in both paragraphs (b)(2)(i) and (ii) of this section, you will be deemed in compliance with this subsection.
    - (i) You operate a vapor balance system at your GDF that meets the requirements of either paragraph (b)(2)(i)(A) or paragraph (b)(2)(i)(B) of this section.
      - (A) Achieves emissions reduction of at least 90 percent.
      - (B) Operates using management practices at least as stringent as those in Table 1 to this subpart.
    - (ii) Your gasoline dispensing facility is in compliance with an enforceable State, local, or tribal rule or permit that contains requirements of either paragraph (b)(2)(i)(A) or paragraph (b)(2)(i)(B) of this section.
  - (c) The emission sources listed in paragraphs (c)(1) through (3) of this section are not required to comply with the control requirements in paragraph (b) of this section, but must comply with the requirements in §63.11117. **Not applicable**
    - (1) Gasoline storage tanks with a capacity of less than 250 gallons that are constructed after January 10, 2008.
    - (2) Gasoline storage tanks with a capacity of less than 2,000 gallons that were constructed before January 10, 2008.
    - (3) Gasoline storage tanks equipped with floating roofs, or the equivalent.
    - (d) Cargo tanks unloading at GDF must comply with the management practices in Table 2 to this subpart. **Not applicable**
    - (e) You must comply with the applicable testing requirements contained in §63.11120. **As applicable**
    - (f) You must submit the applicable notifications as required under §63.11124. **Not applicable**
    - (g) You must keep records and submit reports as specified in §§63.11125 and 63.11126.
    - (h) You must comply with the requirements of this subpart by the applicable dates contained in §63.11113.

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

**Table IV – 6a**

<b>6.2a</b>	<p><b><u>Testing Requirements:</u></b></p> <p>(a) Each owner or operator, at the time of installation, as specified in §63.11113(e), of a vapor balance system required under §63.11118(b)(1), and every 3 years thereafter, must comply with the requirements in paragraphs (a)(1) and (2) of this section.</p> <p>(1) You must demonstrate compliance with the leak rate and cracking pressure requirements, specified in item 1(g) of Table 1 to this subpart, for pressure-vacuum vent valves installed on your gasoline storage tanks using the test methods identified in paragraph (a)(1)(i) or paragraph (a)(1)(ii) of this section.</p> <p>(i) California Air Resources Board Vapor Recovery Test Procedure TP-201.1E,—Leak Rate and Cracking Pressure of Pressure/Vacuum Vent Valves, adopted October 8, 2003 (incorporated by reference, see §63.14).</p> <p>(ii) Use alternative test methods and procedures in accordance with the alternative test method requirements in §63.7(f). <b><i>Not applicable</i></b></p> <p>(2) You must demonstrate compliance with the static pressure performance requirement specified in item 1(h) of Table 1 to this subpart for your vapor balance system by conducting a static pressure test on your gasoline storage tanks using the test methods identified in paragraphs (a)(2)(i), (a)(2)(ii), or (a)(2)(iii) of this section.</p> <p>(i) California Air Resources Board Vapor Recovery Test Procedure TP-201.3,—Determination of 2-Inch WC Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities, adopted April 12, 1996, and amended March 17, 1999 (incorporated by reference, see §63.14).</p> <p>(ii) Use alternative test methods and procedures in accordance with the alternative test method requirements in §63.7(f). <b><i>Not applicable</i></b></p> <p>(iii) Bay Area Air Quality Management District Source Test Procedure ST-30—Static Pressure Integrity Test—Underground Storage Tanks, adopted November 30, 1983, and amended December 21, 1994 (incorporated by reference, <i>see</i> §63.14). <b><i>Not applicable</i></b></p> <p>(b) Each owner or operator choosing, under the provisions of §63.6(g), to use a vapor balance system other than that described in Table 1 to this subpart must demonstrate to the Administrator or delegated authority under paragraph §63.11131(a) of this subpart, the equivalency of their vapor balance system to that described in Table 1 to this subpart using the procedures specified in paragraphs (b)(1) through (3) of this section. <b><i>Not applicable</i></b></p> <p>(1) You must demonstrate initial compliance by conducting an initial performance test on the vapor balance system to demonstrate that the vapor balance system achieves 95 percent reduction using the California</p>
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**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

<b>Table IV – 6a</b>	
	<p>Air Resources Board Vapor Recovery Test Procedure TP-201.1,—                      Volumetric Efficiency for Phase I Vapor Recovery Systems, adopted                      April 12, 1996, and amended February 1, 2001, and October 8, 2003,                      (incorporated by reference, see §63.14). <i>Not applicable</i></p> <p>(2) You must, during the initial performance test required under paragraph                      (b)(1) of this section, determine and document alternative acceptable                      values for the leak rate and cracking pressure requirements specified in                      item 1(g) of Table 1 to this subpart and for the static pressure                      performance requirement in item 1(h) of Table 1 to this subpart. <i>Not                      applicable</i></p> <p>(3) You must comply with the testing requirements specified in paragraph                      (a) of this section.</p> <p>(c) Conduct of performance tests. Performance tests conducted for this                      subpart shall be conducted under such conditions as the Administrator                      specifies to the owner or operator based on representative performance                      (i.e., performance based on normal operating conditions) of the affected                      source. Upon request, the owner or operator shall make available to the                      Administrator such records as may be necessary to determine the                      conditions of performance tests. <i>Not applicable</i></p> <p>(d) Owners and operators of gasoline cargo tanks subject to the provisions                      of Table 2 to this subpart must conduct annual certification testing                      according to the vapor tightness testing requirements found in                      §63.11092(f). <i>Not applicable</i></p>
<b>6.3a</b>	<p><b><u>Monitoring Requirements:</u></b></p> <p><b>§63.11115 What are my general duties to minimize emissions.</b> Each owner or                      operator of an affected source under this subpart must comply with the                      requirements of paragraphs (a) and (b) of this section.</p> <p>(a) You must, at all times, operate and maintain any affected source, including                      associated air pollution control equipment and monitoring equipment, in a                      manner consistent with safety and good air pollution control practices for                      minimizing emissions. Determination of whether such operation and                      maintenance procedures are being used will be based on information available                      to the Administrator which may include, but is not limited to, monitoring                      results, review of operation and maintenance procedures, review of operation                      and maintenance records, and inspection of the source.</p> <p>(b) You must keep applicable records and submit reports as specified in                      §63.11125(d) and §63.11126(b).</p>
<b>6.4a</b>	<p><b><u>Record Keeping Requirements:</u></b></p>

**DEPARTMENT OF THE NAVY**  
**NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)**  
**PART 70 OPERATING PERMIT**  
**PERMIT No. 24-031-01124**

**Table IV – 6a**

**§63.11125 What are my recordkeeping requirements?**

- (a) Each owner or operator subject to the management practices in §63.11118 must keep records of all tests performed under §63.11120(a) and (b).
- (b) Records required under paragraph (a) of this section shall be kept for a period of 5 years and shall be made available for inspection by the Administrator's delegated representatives during the course of a site visit.
- (c) Each owner or operator of a gasoline cargo tank subject to the management practices in Table 2 to this subpart must keep records documenting vapor tightness testing for a period of 5 years. Documentation must include each of the items specified in §63.11094(b)(2)(i) through (viii). Records of vapor tightness testing must be retained as specified in either paragraph (c)(1) or paragraph (c)(2) of this section. *Not applicable*
  - (1) The owner or operator must keep all vapor tightness testing records with the cargo tank.
  - (2) As an alternative to keeping all records with the cargo tank, the owner or operator may comply with the requirements of paragraphs (c)(2)(i) and (ii) of this section.
    - (i) The owner or operator may keep records of only the most recent vapor tightness test with the cargo tank, and keep records for the previous 4 years at their office or another central location.
    - (ii) Vapor tightness testing records that are kept at a location other than with the cargo tank must be instantly available (*e.g.*, via e-mail or facsimile) to the Administrator's delegated representative during the course of a site visit or within a mutually agreeable time frame. Such records must be an exact duplicate image of the original paper copy record with certifying signatures.
- (d) Each owner or operator of an affected source under this subpart shall keep records as specified in paragraphs (d)(1) and (2) of this section.
  - (1) Records of the occurrence and duration of each malfunction of operation (*i.e.*, process equipment) or the air pollution control and monitoring equipment.
  - (2) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.11115(a), including corrective actions to

**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

<b>Table IV – 6a</b>	
	restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.”
<b>6.5a</b>	<p><b><u>Reporting Requirements:</u></b>  <b>§63.11124 What notifications must I submit and when?</b></p> <p>(a) Each owner or operator subject to the control requirements in §63.11117 must comply with paragraphs (a)(1) through (3) of this section. <b><i>Not applicable</i></b></p> <p>(1) You must submit an Initial Notification that you are subject to this subpart by May 9, 2008, or at the time you become subject to the control requirements in §63.11117, unless you meet the requirements in paragraph (a)(3) of this section. If your affected source is subject to the control requirements in §63.11117 only because it loads gasoline into fuel tanks other than those in motor vehicles, as defined in §63.11132, you must submit the Initial Notification by May 24, 2011. The Initial Notification must contain the information specified in paragraphs (a)(1)(i) through (iii) of this section. The notification must be submitted to the applicable EPA Regional Office and delegated State authority as specified in §63.13.</p> <p>(i) The name and address of the owner and the operator.          (ii) The address (i.e., physical location) of the GDF.          (iii) A statement that the notification is being submitted in response to this subpart and identifying the requirements in paragraphs (a) through (c) of §63.11117 that apply to you.</p> <p>(2) You must submit a Notification of Compliance Status to the applicable EPA Regional Office and the delegated State authority, as specified in §63.13, within 60 days of the applicable compliance date specified in §63.11113, unless you meet the requirements in paragraph (a)(3) of this section. The Notification of Compliance Status must be signed by a responsible official who must certify its accuracy, must indicate whether the source has complied with the requirements of this subpart, and must indicate whether the facilities' monthly throughput is calculated based on the volume of gasoline loaded into all storage tanks or on the volume of gasoline dispensed from all storage tanks. If your facility is in compliance with the requirements of this subpart at the time the Initial Notification required under paragraph (a)(1) of this section is due, the Notification of Compliance Status may be submitted in lieu of the Initial Notification provided it contains the information required under paragraph (a)(1) of this section.</p> <p>(3) If, prior to January 10, 2008, you are operating in compliance with an enforceable State, local, or tribal rule or permit that requires submerged fill as specified in §63.11117(b), you are not required to submit an</p>



**DEPARTMENT OF THE NAVY  
 NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
 PART 70 OPERATING PERMIT  
 PERMIT No. 24-031-01124**

**Table IV – 6a**

	<p>Initial Notification or a Notification of Compliance Status under paragraph (a)(1) or paragraph (a)(2) of this section.</p> <p>(b) Each owner or operator subject to the control requirements in §63.11118 must comply with paragraphs (b)(1) through (5) of this section.</p> <p>(1) You must submit an Initial Notification that you are subject to this subpart by May 9, 2008, or at the time you become subject to the control requirements in §63.11118. If your affected source is subject to the control requirements in §63.11118 only because it loads gasoline into fuel tanks other than those in motor vehicles, as defined in §63.11132, you must submit the Initial Notification by May 24, 2011. The Initial Notification must contain the information specified in paragraphs (b)(1)(i) through (iii) of this section. The notification must be submitted to the applicable EPA Regional Office and delegated State authority as specified in §63.13. <i>Not applicable</i></p> <p>(i) The name and address of the owner and the operator.</p> <p>(ii) The address (i.e., physical location) of the GDF.</p> <p>(iii) A statement that the notification is being submitted in response to this subpart and identifying the requirements in paragraphs (a) through (c) of §63.11118 that apply to you.</p> <p>(2) You must submit a Notification of Compliance Status to the applicable EPA Regional Office and the delegated State authority, as specified in §63.13, in accordance with the schedule specified in §63.9(h). The Notification of Compliance Status must be signed by a responsible official who must certify its accuracy, must indicate whether the source has complied with the requirements of this subpart, and must indicate whether the facility's throughput is determined based on the volume of gasoline loaded into all storage tanks or on the volume of gasoline dispensed from all storage tanks. If your facility is in compliance with the requirements of this subpart at the time the Initial Notification required under paragraph (b)(1) of this section is due, the Notification of Compliance Status may be submitted in lieu of the Initial Notification provided it contains the information required under paragraph (b)(1) of this section. <i>Not applicable</i></p> <p>(3) If, prior to January 10, 2008, you satisfy the requirements in both paragraphs (b)(3)(i) and (ii) of this section, you are not required to submit an Initial Notification or a Notification of Compliance Status under paragraph (b)(1) or paragraph (b)(2) of this subsection. <i>Not applicable</i></p> <p>(i) You operate a vapor balance system at your gasoline dispensing facility that meets the requirements of either paragraphs (b)(3)(i)(A) or (b)(3)(i)(B) of this section.</p>
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**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

**Table IV – 6a**

- (A) Achieves emissions reduction of at least 90 percent.
- (B) Operates using management practices at least as stringent as those in Table 1 to this subpart.
- (ii) Your gasoline dispensing facility is in compliance with an enforceable State, local, or tribal rule or permit that contains requirements of either paragraphs (b)(3)(i)(A) or (b)(3)(i)(B) of this section.
- (4) You must submit a Notification of Performance Test, as specified in §63.9(e), prior to initiating testing required by §63.11120(a) and (b). *Not applicable*
- (5) You must submit additional notifications specified in §63.9, as applicable. *Not applicable*

**§63.11126 What are my reporting requirements?**

- (a) Each owner or operator subject to the management practices in §63.11118 shall report to the Administrator the results of all volumetric efficiency tests required under §63.11120(b). Reports submitted under this paragraph must be submitted within 180 days of the completion of the performance testing.
- “(b) Each owner or operator of an affected source under this subpart shall report, by March 15 of each year, the number, duration, and a brief description of each type of malfunction which occurred during the previous calendar year and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with §63.11115(a), including actions taken to correct a malfunction. No report is necessary for a calendar year in which no malfunctions occurred.”

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

**SECTION V            INSIGNIFICANT ACTIVITIES**

NSA Bethesda has identified the following emissions units and activities as insignificant activities in accordance with the requirements of Part 70 Permit Program. These activities do not have any requirements under the Clean Air Act.

- (1) No. 19 Fuel burning equipment using gaseous fuels or no. 1 or no. 2 fuel oil, and having a heat input less than 1,000,000 Btu (1.06 gigajoules) per hour;

All 19 units are natural gas-fired units; 6 space heaters (i.e. furnaces); and 13 water heaters, all less than 1 MMBtu/hr. are subject to the following requirements:

**COMAR 26.11.09.05A (2) - Visible Emissions - Fuel Burning Equipment -** “In Areas III and IV, a person may not cause or permit the discharge of emissions from any fuel burning equipment, other than water in an uncombined form, which is visible to human observers.”

Exceptions. “Section A (1) and (2) does not apply to emissions during load changing, soot blowing, startup, or occasional cleaning of control equipment if:

- (1) The visible emissions are not greater than 40 percent opacity; and  
(2) The visible emissions do not occur for more than 6 consecutive minutes in any sixty minute period.”

- (2) No. 18 Stationary internal combustion engines with an output less than 500 brake horsepower (373 kilowatts), which is not used to generate electricity for sale or for peak or load shaving

The emergency diesel generators are subject to the following state requirements:

**COMAR 26.11.09.05E (2) Emissions During Idle Mode.** A person may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity.

**COMAR 26.11.09.05E (3). Emissions During Operating Mode.** A person may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity.

**COMAR 26.11.09.05E (4) Exceptions.**

- (a) Section E (2) does not apply for a period of 2 consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system.

**DEPARTMENT OF THE NAVY**  
**NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)**  
**PART 70 OPERATING PERMIT**  
**PERMIT No. 24-031-01124**

- (b) Section E (2) does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods:
  - (i) Engines that are idled continuously when not in service: 30 minutes;
  - (ii) All other engines: 15 minutes.
- (c) Section E (2) and (3) does not apply while maintenance, repair, or testing is being performed by qualified mechanics.

The emergency diesel generators are subject to the following federal requirements:

**40 CFR 63, Subpart IIII** – All units constructed after the NSPS applicability date of July 11, 2005 are subject to the requirements of this rule.

**40 CFR 63, Subpart ZZZZ** – All reciprocating internal combustion engines are subject to this rule. However, units subject to Subpart IIII have no further requirements under Subpart ZZZZ.

- (3)  Space heaters operating by direct heat transfer and used solely for comfort heat;  
Kerosene fired mobile space heaters
- (4)  Water cooling towers and water cooling ponds unless used for evaporative cooling of water from barometric jets or barometric condensers, or used in conjunction with an installation requiring a permit to operate;
- (5) No. 20 Unheated VOC dispensing containers or unheated VOC rinsing containers of 60 gallons (227 liters) capacity or less; The reported number refers to 20 VOC storage cabinets or areas that store various VOC containing products under 60 gallons
- (6)  Commercial bakery ovens with a rated heat input capacity of less than 2,000,000 Btu per hour;
- (7)  Equipment for drilling, carving, cutting, routing, turning, sawing, planing, spindle sanding, or disc sanding of wood or wood products;
- (8)  Brazing, soldering, welding equipment, and cutting torches related to manufacturing and construction activities that emit HAP metals and not directly related to plant maintenance upkeep and repair or maintenance shop activities;

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

- (9) Containers, reservoirs, or tanks used exclusively for:
- (a)  Storage of butane, propane, or liquefied petroleum, or natural gas;
  - (b) No. 53 Storage of Numbers 1, 2, 4, 5, and 6 fuel oil and aviation jet engine fuel;  
40 small day/belly tanks used as primary fuel tanks for generators.  
13 large ASTs or USTs (No. 2 diesel fuel) used as secondary fuel tanks.
- (10)  Charbroilers and pit barbecues as defined in COMAR 26.11.18.01 with a total cooking area of 5 square feet (0.46 square meter) or less;
- (11)  First aid and emergency medical care provided at the facility, including related activities such as sterilization and medicine preparation used in support of a manufacturing or production process:
- (12)  Certain recreational equipment and activities, such as fireplaces, barbecue pits and cookers, fireworks displays, and kerosene fuel use;
- (13)  Laboratory fume hoods and vents;

*For the following, attach additional pages as necessary:*

- (14) Any other emissions unit, not listed in this section, with a potential to emit less than the de minimus levels listed in COMAR 26.11.02.10X (list and describe units):

No. 7 oil water separator

No. 1 Ethylene Oxide Sterilizer

**DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY BETHESDA (NSAB)  
PART 70 OPERATING PERMIT  
PERMIT No. 24-031-01124**

**SECTION VI STATE ONLY ENFORCEABLE CONDITIONS**

Applicable Regulations - All Emissions Units

The Permittee is subject to the following applicable regulation:

- (1) **COMAR 26.11.06.08 – Nuisance**  
“An installation or premises may not be operated or maintained in such a manner that a nuisance or air pollution is created. Nothing in this regulation relating to the control of emissions may in any manner be construed as authorizing or permitting the creation of, or maintenance of, nuisance or air pollution.”
- (2) **COMAR 26.11.06.09 - Odors**  
“A person may not cause or permit the discharge into the atmosphere of gases, vapors, or odors beyond the property line in such a manner that a nuisance or air pollution is created.”

Applicable Regulations – Diesel-fired Emergency Generators

- (3) **COMAR 26.11.36.03 - Emergency Generators and Load Shaving Units NOx Requirements**

“A (1). The owner or operator of an emergency generator may not operate the generator except for emergencies, testing, and maintenance purposes.”

“A (5). The owner or operator of an emergency generator or load shaving unit may not operate the engine for testing and engine maintenance purposes between 12:01 a.m. and 2:00 p.m. on any day on which the Department forecasts that the air quality will be a code orange, code red, or code purple unless the engine fails a test and engine maintenance and a re-test are necessary.”